HIGHLIGHTS 2020









Quality and Performance

MAXIMUM PERFORMANCE

We are proud of the performances of our products and are the absolute benchmark in many areas. For us performance means coordination of the product characteristics friction level, fade resistance, disc wear and modulation.

SAFETY

Safety is our top priority. Early in the development of our products we set absolute priorities. For example, the brass studs that are welded to the base plate provide a much stronger anchoring of the friction material to the base plate – even under the most extreme conditions.

TEST & INNOVATION

Our products are constantly subjected to the most challenging real world test – not only to guarantee consistent performance and durability, but also to continuously refine and develop our products in lab testing, we use our computer-assisted systems to duplicate the toughest tests on different race courses all over the world.

OE COMPETENCE

Our efficiency is also documented by numerous original equipment partnerships. Besides, manufacturers like Aston Martin and Mazda rely on our performances and reliability.



100 % QUALITY

PAGID

I<mark>NG BRAKE PADS</mark> NBREMSBELÅGE All PAGID Racing products are produced using the most modern technical procedures. Our uncompromising production requirements provide consistent quality at the highest level.

TRUST & SUCCESS

For decades our worldwide partners and teams have trusted our products and every year have been rewarded with numerous victories and championships. There have been some races where more than half the participants have competed using our products. Performance creates trust!

BEDDING IN SERVICE

Our racing brake pads and discs are available "ready to race", perfectly bedded-in on our dedicated computerized system.

Technical Information

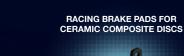
PAGID RACING FRICTION COMPOUNDS



RALLY, SPRINT AND STOCK CAR RACING BRAKE PADS

PAGID











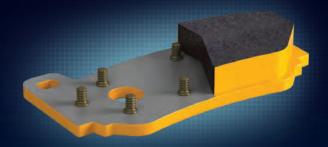


PAGID PSH

PAGID Racing compounds have a very high content of non-ferrous (ceramic) materials. The difference to competitor's metallic compounds is the superior thermal insulation and higher heat resistance combined with low heat conductivity, reducing heat transfer to the caliper (up to a massive 60 °C) preventing boiling of the fluid.

All PAGID Racing compounds are designed to minimize wear of the pad-rotor system, while maintaining optimum bite, brake modulation and pedal feel. All friction compounds meet or surpass all current ecological standards of the automotive industry.

PAGID RACING STEEL BACKING PLATE DESIGN



PAGID Racing employs dual retention systems, with an adhesive bond and a patented mechanical system. The mechanical system consists of brass studs that are welded directly to the backplate to ensure a positive retention between pad compound and the backplate. These brass studs are softer than the brake disc (rotor) and wear away as the pad is consumed causing no damage to the disc.



UNIQUE AND PATENTED SYSTEM



FRICTION MATERIAL IS FIXED TO THE BACKPLATE



NO DELAMINATION FROM THE STEEL BACKING PLATE



HIGH TECH AND INNOVATION FOR YOUR VEHICLE





BEDDING

WHY BEDDING?

To align the pad surface with the brake disc (rotor) surface and ensure full contact.

To transfer a layer of friction material onto the brake disc (rotor) faces to achieve maximum performance.

To burn out the volatile elements in the friction compound in order to have the initial (green) fade occur during bedding and not during the race.

If pads are not bedded properly according to the above mentioned sequence, the brake system will not achieve its maximum friction performance, wear behavior and pedal feel. Improper bedding can also lead to judder and vibration. Unlike discs, pads do not require cooling down post-bedding for optimal performance/longevity.

RECOMMENDED ON-VEHICLE BEDDING IN PROCEDURE

Breaking-in

Creating a perfect contact-pattern between rotor and brake pad surface

10 stops with low pressure and low temperature from 150 km/h (90 MPH) to approximately 80 km/h (50 MPH).

Distance between each brake stop approximately 600 – 800 meters (600 to 800 yards).

Heating-up

Warm up in order to initiate some core heat in the whole brake system

A sequence of 5 stops with medium to high pressure from 180 km/h (112 MPH) to approximately 60 km/h (37 MPH) with maximum acceleration between the stops.

After the last stop cool down for 3 minutes with the speed preferably not higher than 100 km/h (62 MPH).

Recovery Stops

3 to 5 stops with low pressure from 150 km/h (90 MPH) to approximately 80 km/h (50 MPH).

Distance between each brake stop approximately 600 – 800 meters (600 to 800 yards).

BEDDING IN SERVICE – USAGE OF PRE-BEDDED PARTS

GET THE MAXIMUM OUT OF YOUR BRAKE WITH A MINIMUM AMOUNT OF TIME WHILE SAVING BARE MONEY – GET PRE-BEDDED PARTS!

Our racing brake pads are also available pre-bedded "ready to race". Please ask your local dealer for our brake pads pre-bedded.

Using pre-bedded parts is always recommended, as they are run in a computer-controlled environment and can therefore deliver perfect performance for a very reasonable cost. Keep in mind every kilometer driving a race car is expensive!





ENDURANCE RACING BRAKE PADS



AVAILABLE RSL RACING BRAKE PAD COMPOUNDS

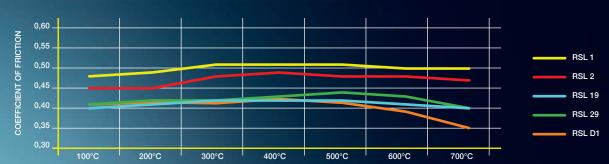
RSL 1	RSL 2	RSL 19	RSL 29	RSL D1
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The available specifications can be found in the product search on our website: www.pagidracing.com. PAGID Racing RSL compounds are developed to comply with the latest requirements in endurance racing and meet or surpass all current ecological standards of the automotive industry.

BEDDING IN SERVICE

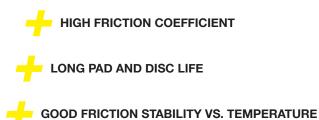
You can also acquire our Racing Brake Pads 'ready to race', perfectly bedded in on our computer system. Further information can also be found on page 8. Please ask your dealer about our 'Bedding In Service'.

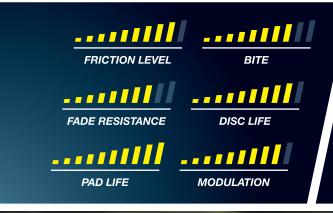
FRICTION vs. TEMPERATURE RSL

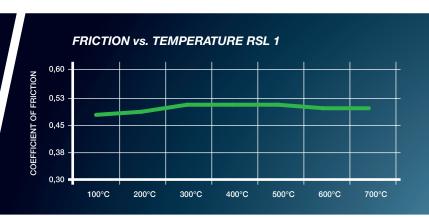








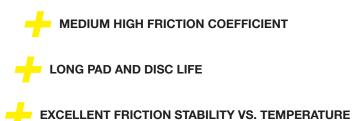


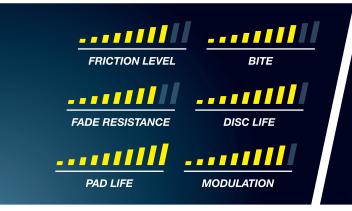


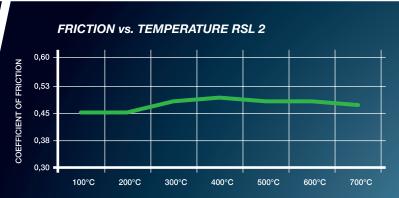
Used in GT cars, Touring cars and prototype endurance racing. Due to the high friction and good modulation, often used in sprint races as well. DESCRIPTION RSL 1 is a low metallic resin bonded material containing steel and aramid fibers with high heat resistance. It maintains a constant friction level over a wide range of temperatures. Its low wear rate and disc friendliness make this material appropriate for endurance races.















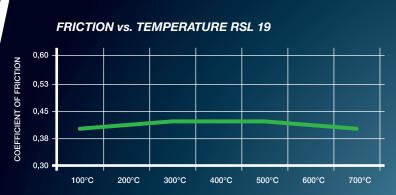










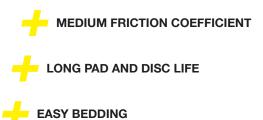


modulation and release characteristic.

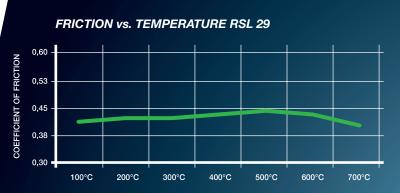


















REAR AXLE COMPOUND

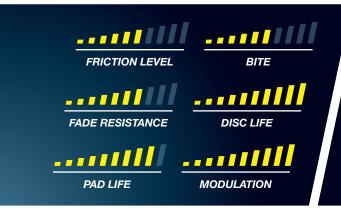
DIGRESSIVE INSTOP BEHAVIOUR

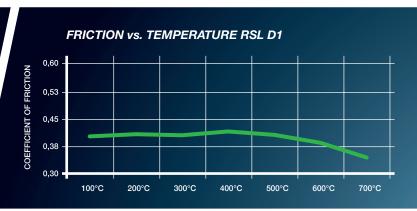
GOOD INITIAL BITE

LONG PAD & DISC LIFE

LOW FRICTION LEVEL

GOOD FRICTION STABILITY VS. TEMPERATURE





APPLICATION RANGE

Especially for race cars with high aerodynamic downforce level - with a wide brake balance range.

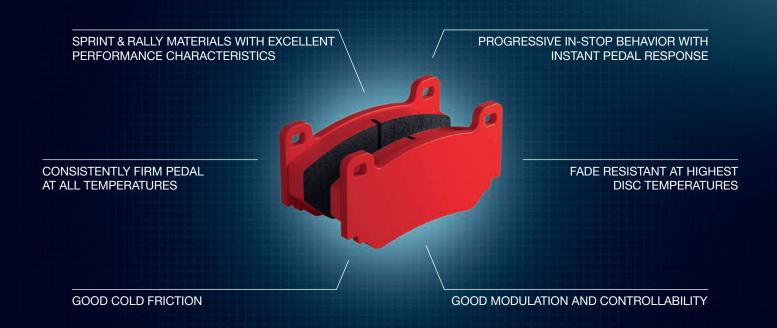
DESCRIPTION

Specifically developed for rear axle applications. The compounds are compatible, providing benefits in terms of vehicle stability during the turn-in stage and unloading the front axle regarding pad wear.





RALLY, SPRINT AND STOCK CAR RACING BRAKE PADS



AVAILABLE RST RACING BRAKE PAD COMPOUNDS

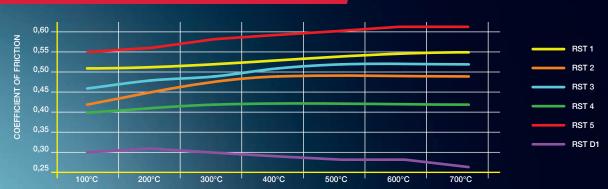
RST 1	RST 2	RST 3	RST 4	RST 5	RST D1
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The available specifications can be found in the product search on our website: www.pagidracing.com. PAGID Racing RST compounds are developed to comply with the latest requirements for rally, sprint and stock car racing. They meet or surpass all current ecological standards of the automotive industry.

BEDDING IN SERVICE

You can also acquire our Racing Brake Pads 'ready to race', perfectly bedded in on our computer system. Further information can also be found on page 8. Please ask your dealer about our 'Bedding In Service'.

FRICTION vs. TEMPERATURE RST







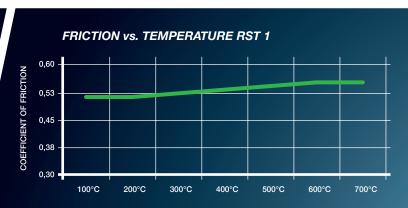














Rally tarmac, GT cars and Touring cars circuit racing (sprint), high down-force formula cars, NASCAR. Suitable for applications in heavy cars and where high torque is necessary against small diameter rotors.

RST 1 has a very high friction level and high temperature resistance. It is a semi metallic resin bonded material containing steel fibers. Cold friction and initial bite makes this material most appropriate for Rally and NASCAR applications.



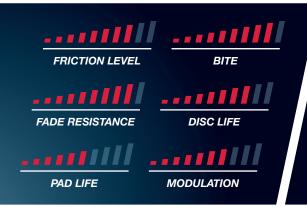






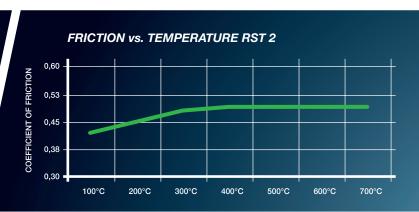




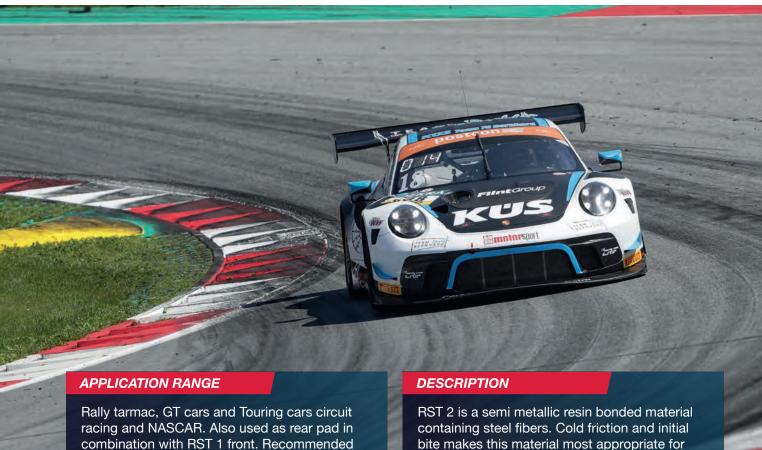


for GT and Touring car racing on tracks where

higher temperatures are an issue.



Rally and NASCAR applications.



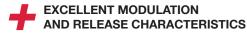


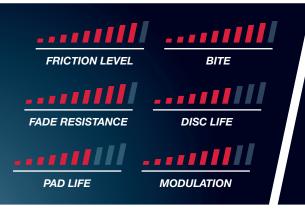


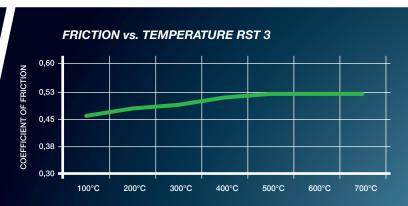












Rally tarmac and gravel, GT cars, Touring cars and prototype circuit racing, formula cars and club racing. Wide range of applications due to its combination of bite, friction and controllability.

DESCRIPTION

RST 3 is a medium-high friction metal-ceramic compound containing steel fibers and is therefore the perfect complement of the RST product family. It captivates by its low heat conductivity.









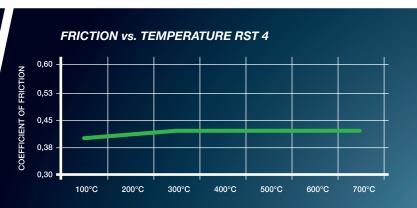












Formula cars and open wheel racing. Rear axle material for Rally (tarmac and gravel) and for all front engine cars. Also used in NASCAR on long ovals.

DESCRIPTION

RST 4 is a semi metallic resin bonded material containing steel fibers. This material has a medium friction level and high temperature resistance.





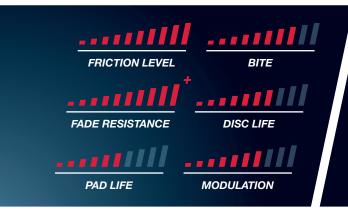


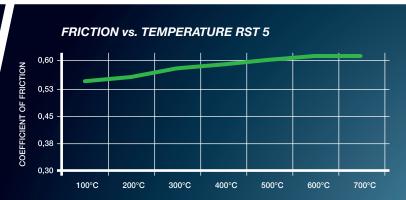












Specifically designed and developed for rally racing. Comes in a variety of established pad shapes in rally sports, especially in WRC and Group R.

DESCRIPTION

The optimized thermal management provides ideal performance from low temperatures to extremely high temperature conditions. The generated heat stays in the brake pad and does not move into the brake fluid. With its high initial bite and generally high friction level the RST 5 perfectly manages the balance between high aggression and prevention of wheel spin, providing the driver with a feeling of reliability and outstanding performance.







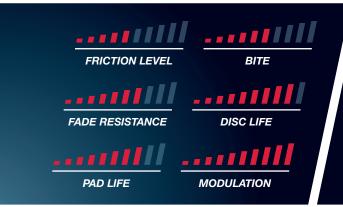


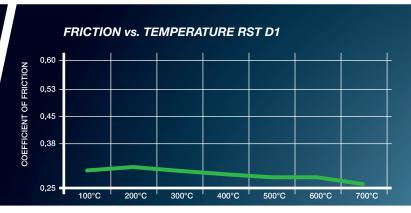




















ALLROUND RACING BRAKE PADS

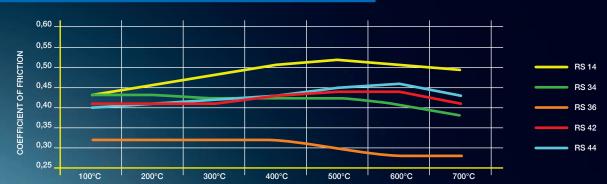


AVAILABLE RS RACING BRAKE PAD COMPOUNDS

RS 14	RS 34	RS 36	RS 42	RS 44
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The available specifications can be found in the product search on our website: www.pagidracing.com. PAGID Racing RS compounds are developed to comply with the latest requirements in racing and meet or surpass all current ecological standards of the automotive industry.









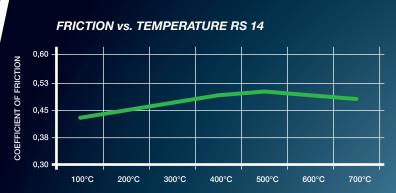


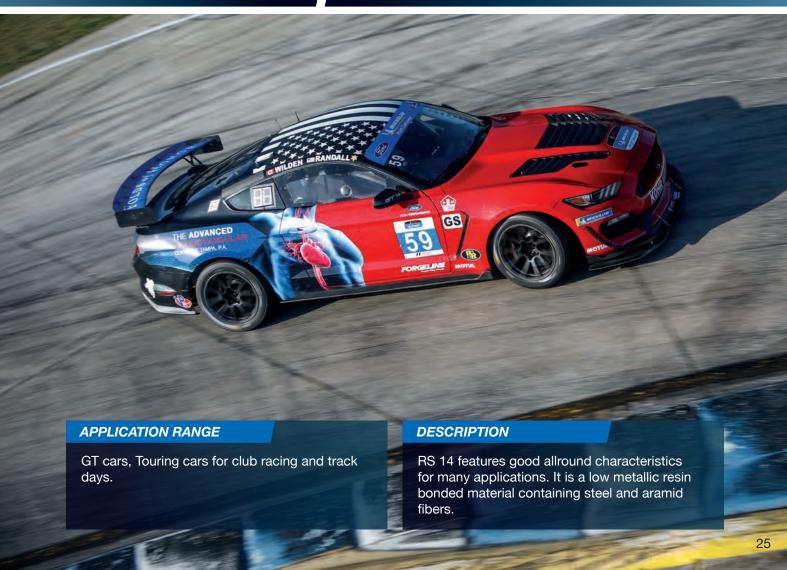




LOW WEAR RATE AND FADE RESISTANT UP TO 700°C







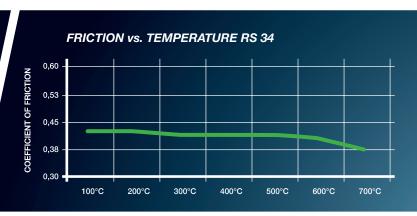






ENHANCED DISC LIFE



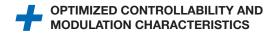






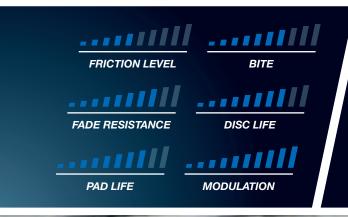


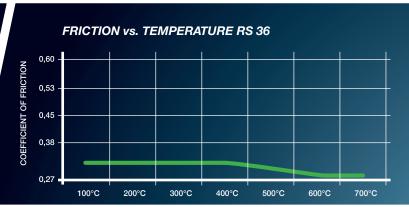












Formula cars and single seaters with cast iron brake discs.

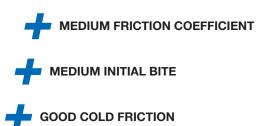
DESCRIPTION

RS 36 is a compound specifically developed for formula cars and single seaters with a considerable level of aerodynamic downforce. The characteristic shape of its friction curve contributes to modulation, while protecting the disc.

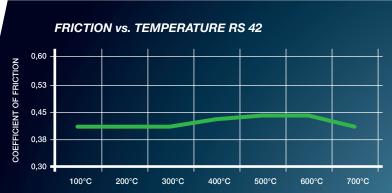








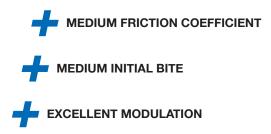












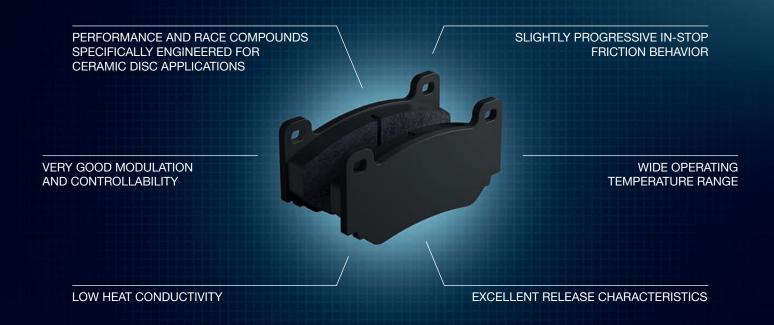








RACING BRAKE PADS FOR CERAMIC COMPOSITE DISCS

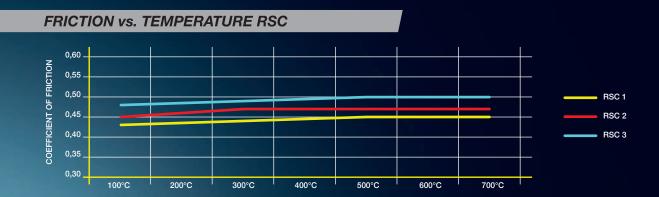


AVAILABLE RSC RACING BRAKE PAD COMPOUNDS

RSC 1	RSC 2	RSC 3
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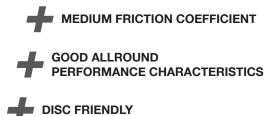
Amazing track day and club sport material for a wide application range of performance cars.

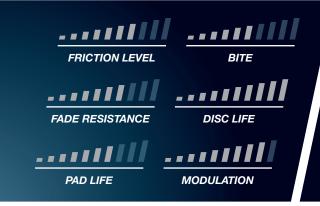
The available specifications can be found in the product search on our website: www.pagidracing.com. PAGID Racing RSC compounds are developed to comply with the latest requirements in ceramic composite brake disc technology and meet or surpass all current ecological standards in the automotive industry.

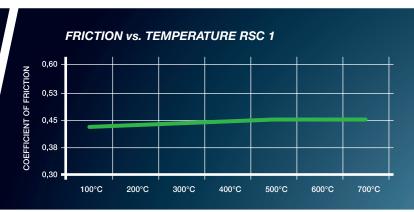














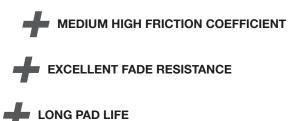
Race and track day compound for all known types of ceramic brake discs.

DESCRIPTION

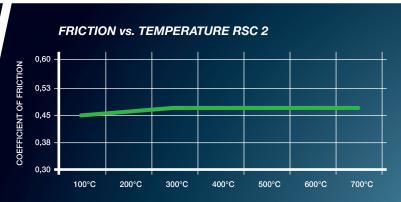
RSC 1 is a low metallic resin bonded material containing steel and aramid fibers. This material features good all-round characteristics and is suitable for all types of usage.











Special race compound for ceramic discs with a high content of fibers in the friction surface for sprint and endurance circuit racing.

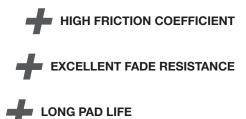
DESCRIPTION

RSC 2 is a low metallic resin bonded material containing steel and aramid fibers. This material is specifically developed for above mentioned applications.

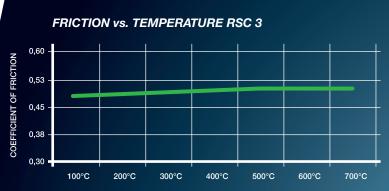


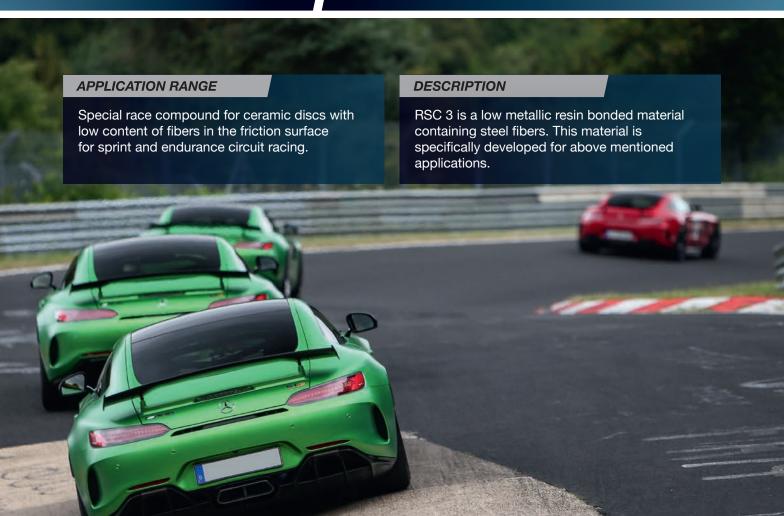














RACING BRAKE PADS FOR HISTORIC CARS

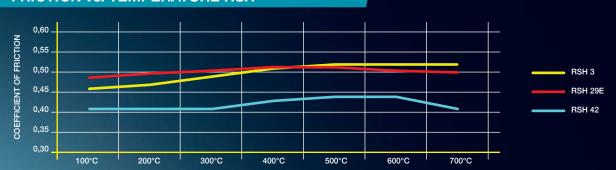


AVAILABLE RSH RACING BRAKE PAD COMPOUNDS

RSH 3	RSH 29E	RSH 42
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The available specifications can be found in the product search on our website: www.pagidracing.com. PAGID Racing RSH compounds are developed to comply with the latest requirements in historic racing and meet or surpass all current ecological standards of the automotive industry. Available model years in the extensive application range starts in the late 50s and goes up to the 90s.

FRICTION vs. TEMPERATURE RSH







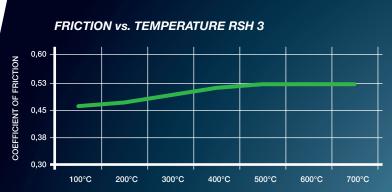








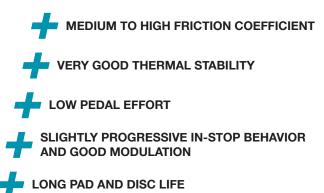




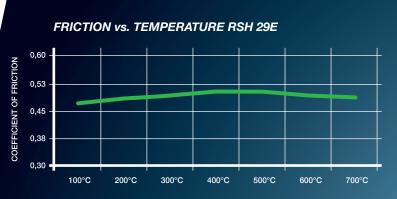


















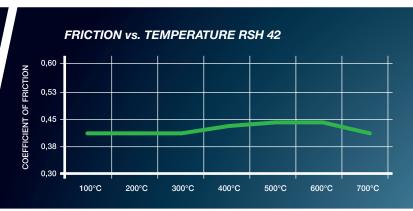
LOW TO MEDIUM FRICTION COEFFICIENT















RACING BRAKE DISCS





CREATING SYNERGY DESERVES AN OPTIMIZED PARTNERSHIP

An uncompromising and highly efficient partnership between brake pad and brake disc – this was the development criteria for our PAGID Racing brake disc.

Under this aspect the full characteristics were developed and set up for the intended purpose.

Strict quality controls during a long development process result in a high performance racing brake disc, optimized for weight, cooling performance and crack resistance. In conjunction with our brake pads our products create a highly efficient "brake team".

The modular design allows in most cases the use of either the lightweight version (for sprint races or rally), or the endurance version with the same hat (bell) for the specific vehicle applications.

DESIGN FEATURES

Floating connection between bobbin and disc eliminates wear on the hard anodized hat and makes it reusable multiple times. Airflow onto the outside friction face is achieved through the proper sized openings in the connection flange to the disc.

Specially designed ventilation chamber to optimize the thermal exchange rate between disc and cooling airflow.

The surface finish (groove pattern) has been developed in combination with PAGID Racing brake pads for best system performance and wear characteristics.



THE PAGID RACING
BRAKE DISC CONSISTS OF
3 PERFECTLY MATCHED
PARTS













RACING BRAKE FLUID





DESCRIPTION

One of the biggest challenges developing a brake fluid is to reach a boiling point as high as possible. PAGID Racing Brake Fluid has been specially formulated for racing applications, where brake systems consistently operate at very high temperatures.

The typical dry boiling point of 330°C (626°F) is extremely high and guarantees maximum safety against vapor lock.

PAGID Racing Brake Fluid also maintains its excellent viscosity, lubricity and compressibility performance at extreme temperatures, maintaining the brake system reliability and performance.

USAGE

- · Follow vehicle manufacturers' recommendations when adding brake fluid
- Keep brake fluid clean and dry
- · Store brake fluid only in its original container
- · Dispose of used brake fluid responsibly

ATTENTION!

For best results bleed the system with fresh PAGID Racing brake fluid before each race, especially if the brakes are excessively hot and/or the conditions are humid.



Overview Boiling Point	Category	Information
	Size	0,5L / 16.9 fl. oz.
	ERBP Dry [°C] / [°F]	330 / 626
	ERBP Wet [°C] / [°F]	200 / 392
Typical Dry Boiling Point:	Viscosity at -40 °C [cSt]	2200
626 °F / 330 °C	Viscosity at -100 °C [cSt]	2.31
	рН	6.90
	Fluidity [°C]	-50
	Compatibility [°C]	-40 to +60
	Colour	Straw yellow
Typical Wet Boiling Point:	Water content [%]	< 0.20
392 °F / 200 °C	Density at 20 °C [g/ml]	1.080
	Vapour density	N.E.
	Vapour pressure at 20 °C [mBar] °C [mBar]	< 2









Your PAGID Racing Dealer

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