

R-4 Racing Compound



For over two decades, the Porterfield Carbon Kevlar brake pad has given racers abroad a definite world class friction material suitable for virtually any racing condition. Designed specifically for heavy duty motorsports, the Porterfield R-4 brake pad was our first and is our original Carbon Kevlar brake pad. Being able to maintain an average of a .50 friction level within a very wide temperature range gives the R-4 pad astounding versatility and makes it very suitable for a wide array of various track conditions.

With use of the latest ceramic technology, the Carbon based semi-metallic R-4 materials allow the pads to absorb tremendous amounts of heat and dissipate it at a very even rate, while at the same time insulating excessive heat from calipers. Another inherent characteristic of our carbon kevlar material is how quickly the pads warm up to race temperature which is quite helpful during restarts, and when track time is limited.

Optimum R-4 operating temperatures are 450°F and above. When used with cast iron and steel alloy rotors, the R-4 compound requires minimal bed-in period. Throughout the entire heat range, the Carbon Kevlar material will give extremely consistent modulation and predictability smooth release characteristics up to threshold. Another benefit of our R-4 compound is that even with the high friction levels and broad temperature ranges, the unique properties of our compound allows the rotors life to be extended to the maximum. This is truly the most rotor friendly racing brake pad material ever. Road courses, oval track, rally, vintage racing, autocross, club events or professional racing events. Tested and raced in countless types of competition vehicles, the R-4 compound from the outset has established its reputation as a Championship winning brake pad material.



Porterfield carries a wide selection of the products listed in this catalog, due to size constraints every item is not listed. If the part you need is not listed here please give us a call.

****** We can make pads for any vehicle or caliper *****

NOTE: Manufacturer/Distributor assumes no liability for use of this product. Brake Pads are for racing only.



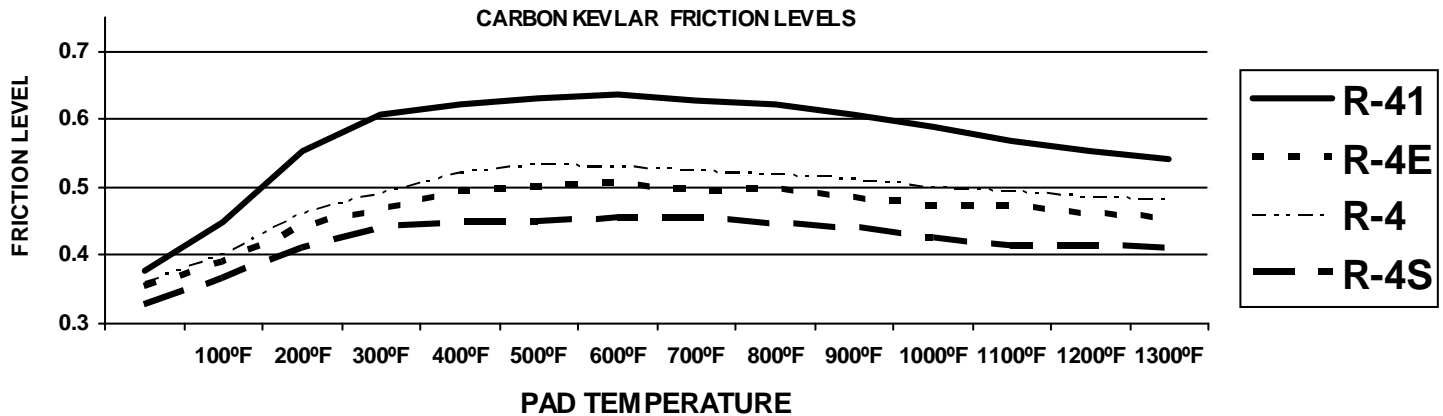
R4-1 Vintage Compound

This high friction racing material has grown to be a very popular choice for drivers who need the highest possible friction with a low pad temperature. Developed and tested in the vintage racing community the R4-1 gives an average coefficient of friction of .56 with peak levels up to .600. Having tremendous stopping power, the R4-1 pad material can reach upwards of .5 friction level when pad temperature is a very low 200°F . Drivers can still have a high friction brake pad without worry of the pad becoming too cold to be effective when the car is driven only moderately. For use when pad temperatures are under 600°F and peak temperatures are not over 1000°F. Widely used on Vintage GT and formula cars the R4-1 has gained great popularity as an excellent auto-cross, off-road and rally-cross pad material. Great modulation, consistent pedal feedback and the same rotor friendliness as our other carbon kevlar compounds.



R4-E Endurance Race

A Carbon Kevlar compound made to last a bit longer than the original R-4 compound. Porterfield's R4-E pads have an average coefficient of .460 and perform best at temperatures averaging over 600°F. The R4-E compound is designed to endure higher prolonged temperatures and still have pad life as long or longer than Porterfield R-4. This pad is great for club enduros events and applications where temperatures are at their maximum.





Carbon Kevlar Racing Brake Shoes

In addition to our brake pad compounds we have the carbon kevlar materials in three different formulas of brake shoes. Porterfield brake shoe compounds exhibit quick warm-up and consistent friction over prolonged use. Higher than average friction levels mean you have the best stopping power throughout a wide temperature range without material glazing or fade. All our brake shoe compounds have been rigorously tested on nearly every form of racing vehicles, and vintage race car.

Our Porterfield racing shoes are high temperature bonded then arced to drum specifications and finally copper riveted to the brake core to ensure the strongest possible material adhesion. Porterfield racing shoes will withstand the most rigorous racing conditions with consistent and powerful stopping performance.

R-4 Carbon Kevlar Racing Brake Shoes

Our original R-4 racing brake shoe material. We have been manufacturing the R-4 shoe nearly a decade and it remains to be one of the finest race shoes produced. They have quick warm-up, high friction, and are drum friendly. A brake shoe material suitable for practically any form of competition or severe extreme use.

Drum diameter up to 10" \$149.00

11" and larger \$159.00



R-4 Woven Kevlar

Porterfields Woven Kevlar is high friction woven composite material designed for use in mechanically actuated drum brake systems. It has very high friction at ambient and low temperatures for good initial bite and may be bonded to aluminum or steel brake shoe cores. Trusted by top car mechanics to stop the most valuable of vintage vehicles safely, without any unnecessary drum wear. This material is widely used in vintage racing and vintage touring events on vehicles with mechanical drum brakes.

***For rare vintage vehicles and other odd applications customer may be required to furnish brake shoe cores. We are able to reline virtually any type of brake shoe. When ordering please specify a drum diameter for arcing purpose.

RD-7 Full Race Brake Shoe

The RD-7 brake shoe material is our new addition to our line of high performance brake shoe linings. This material incorporates the latest in brake shoe material research and development and is suitable for all types of racing. Improved touring and vintage race cars with hydraulic drum brake will benefit from an extremely high friction level giving the most powerful stopping ability available. The new RD-7 race shoe brake material without a doubt raises the standard for competition shoe linings.

Drum diameter up to 8" \$ 139.00

9" \$ 149.00

10" \$ 159.00

11" \$ 169.00

RD-7 Racing shoe compound offers:

- The highest friction ever for a racing brake shoe.
- Consistent friction over prolonged use