PORTERFIELD CARBON KEVLAR RACING BRAKE PAD COMPOUNDS

R-4 - Designed specifically for heavy duty motorsports, the R-4 brake pad was our first and original Carbon Kevlar brake pad. Being able to maintain an average of .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. 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 rotor, the R-4 compound requires minimal bed-in period.

R4-E - A Carbon Kevlar compound made to last a bit longer than the original R-4 compound. Porterfield's R4-E pads have an average friction level 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 enduro events and applications where temperatures are at their maximum.

R4-1 -Developed and tested in the vintage racing community the R4-1 gives an average friction level of .56 with peak levels up to .600. Having tremendous stopping power, the R4-1 pad material can reach upward of .5 friction level when pad temperature is a very low 200°F. Drivers can still have a high friction brake pad without the 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.

CUSTOM BRAKE PADS

From the very early days of Porterfield brakes, our in-house custom manufacturing gives us the capability to create brake pads in a variety of shapes and thicknesses to match your specifications.

If you need a brake pad identified you can fax an outline of the pad. Please include an overall length measurement and a height as shown in the sample image. We will identify it and call you back.

The pad is fabricated from an existing factory molded pad from Porterfield, Raybestos, Performance Friction, or Hawk. Most pad shapes can be fabricated from any of the compounds made by the above companies.