

Carbotech Brake Compounds

Carbotech™ 1521™

The Carbotech™ 1521™ is our high performance street compound. The 1521™ compound is known for its release and modulation, along with unmatched rotor friendliness. 1521™ is also a very low dusting and low noise compound with an excellent initial bite. This compound's excellent linear torque production provides incredible braking force without ABS intervention. Carbotech™ 1521™ operating range starts out at ambient and goes up to 800°F (426°C+). 1521™ is suitable for ALL street cars, perfect for your tow vehicle or fleet vehicle. Carbotech™ 1521™ is NOT recommended for ANY track use.

Carbotech™ AX6™

The AX6™ is specifically engineered for Autocross applications. A high torque brake compound delivering reliable and consistent performance over a very wide operating temperature range of 50°F to 1000°F + (10°C to 537°C+). The advanced compound matrix provides an excellent initial bite, high coefficient of friction at lower temperatures along with very progressive brake modulation and release characteristics. Many drivers use the AX6™ for street driving as well, even though Carbotech™ doesn't recommend street driving with AX6™ due to possible elevated levels of dust and noise. AX6™ is NOT recommended as a race compound in most applications.

Carbotech™ XP8™

A high torque brake compound with a wide operating temperature range of 200°F-1250°F+ (93°C to 676°C+). Carbotech™ XP8™ is the first of our racing compounds. Good initial bite at race temperatures, high coefficient of friction, excellent modulation and release characteristics. Extremely high fade resistance and very rotor friendly. Perfect for track day use with any tire and can still be driven safely to and from the track. Carbotech™ does NOT recommend XP8™ as a daily driven street pad due to elevated levels of dust and noise. Carbotech™ XP8™ is a great compound on the front & rear of most open wheel and sports racers.

Carbotech™ XP10™

When Carbotech™ unleashed the XP10™ to the general public it immediately gathered multiple regional, divisional, and national championships. The XP10™ has a very strong initial bite with a coefficient of friction and rotor friendliness unmatched in the industry. Fade resistance is in excess of 1475°F (801°C). XP10™ still maintains the highly praised release, excellent modulation and rotor friendliness that have made all Carbotech™ compounds so successful. Carbotech™ XP10™ is not recommended as a daily-driven street pad due to possible elevated levels of dust and noise.

Carbotech™ XP12™

Another highly successful XP™ series compound with an excellent initial bite, torque and fade resistance over and above the XP10™ compound. XP12™ has temperature range of 250°F to 1850°F+ (121°C to 1010°C+). The XP12™ has that excellent Carbotech™ release and modulation that has made all other Carbotech™ compounds so successful. The XP12™ is more rotor aggressive than XP10™, but compared to the competition the XP12™ is still very rotor friendly. XP12™ is NOT recommended for use as a daily driven street pad due to possible elevated levels of dust and noise.

Carbotech™ XP20™

The latest iteration of the highly successful XP™ series of compounds. XP20™ is a step up from the highly successful XP16™ compound. With an extremely aggressive initial bite, linear torque curve and excellent fade resistance the XP20™ is another major step in progression of the highly successful XP™ series line of compounds from Carbotech™. XP20™ has a temperature range of 275°F to 2000°F+ (135°C to 1093°C+). Carbotech™ XP20™ maintains our tradition of having the outstanding release and modulation that has made all other Carbotech™ compounds so successful. Carbotech™ XP20™ is NOT recommended for use as a daily driven street pad due to possible elevated levels of dust and noise.

Carbotech™ XP24™

XP24™ is the pinnacle compound of the extremely successful XP™ Series of compounds engineered by Carbotech™. This compound is based on the same fundamentals that exist in all other Carbotech™ formulations. XP24™ has even more initial bite, more overall bite, and more torque along with the most linear torque curve we have ever offered. The thermal characteristics are of the highest Carbotech™ offers along with one of the highest coefficient of friction ratings offered by anyone in the braking industry. This compound is the longest wearing compound Carbotech™ offers as it was originally engineered for endurance applications at the highest pro racing levels. This revolutionary new compound has been extremely successful with open wheel, closed wheel, sprint and endurance applications. XP24™ has a temperature range of 400°F to 2000°F+ (204°C to 1093°C+). Carbotech™ XP24™ is NOT recommended for use as a daily driven street pad due to possible elevated levels of dust and noise along with the necessary heat required to work properly.

Carbotech™ RP2™

The RP2™ compound was engineered for endurance racing based on our highly successful XP™ Series formulations. RP2™ has strong initial bite, a little less modulation than our XP12™, but still maintains the rotor friendliness of our XP™ series compounds. RP2™ has great fade resistance with a temperature range of 250°F to 1450°F+ (121°C to 787°C). RP2™ is as rotor friendly as our XP™ series compounds. Carbotech™ RP2™ is NOT recommended for use as a daily driven street pad due to possible elevated levels of dust and noise.

Carbotech™ 913 Kelated Metallic™

A D.O.T.-approved high-performance compound for brake shoes on high performance street vehicles and race cars. Carbotech™ Kelated Metallic (CKM) achieves a very high coefficient of friction (approx. 0.48 to 0.50) by taking advantage of a chemical reaction within the friction mass, which creates a tri-alloy metallic film at the liner/drum interface when subjected to heat and pressure. Designed to overcome the shortcomings of other liner materials, CKM is a very versatile and provides excellent braking performance in a wide variety of applications. Excellent wear characteristics and a very high resistance to lock-up under hard braking. Optimal recommended operating temperature range is from ambient to 750°F.