



VULCAN®9

Carbon Black

VULCAN®9 carbon black has been in the Cabot portfolio for many years. It is an industry standard for many tire applications requiring excellent tear and cut / chip resistance. Vulcan 9 conforms to ASTM N110. It imparts good wear resistance to all tire tread rubbers. Vulcan 9, because of its high surface area and low structure, requires care to obtain optimum dispersion.

Vulcan 9 is particularly suited for tire treads that require good wear resistance, including those made from emulsion SBR, solution SBR, BR, natural rubber, or blends of any of these polymers. It is often used in natural rubber or natural rubber / butadiene rubber blends to impart excellent cut / chip resistance. In the industrial rubber goods area, Vulcan 9 is also recommended for conveyor belts, selected solid tires, and other products requiring excellent cut / chip resistance.

VULCAN®9 Carbon Black from Cabot Corporation

Vulcan 9 carbon black represents the traditional way to obtain good treadwear and excellent cut / chip and tear resistance. Its high surface area and low structure result in compounds with high tensile strength at high elongations, giving a very high "tensile X elongation" product.

Recipe: 100 SMR 5 CV , black variable, total oil variable, 5 ZnO, 3 stearic acid, 1 AO, 0.6 MBTS, 2.5 S

The graphs below show the high tensile strength, elongation, and tear resistance imparted by Vulcan 9 to natural rubber over a range of black and oil loadings.

Performance Features

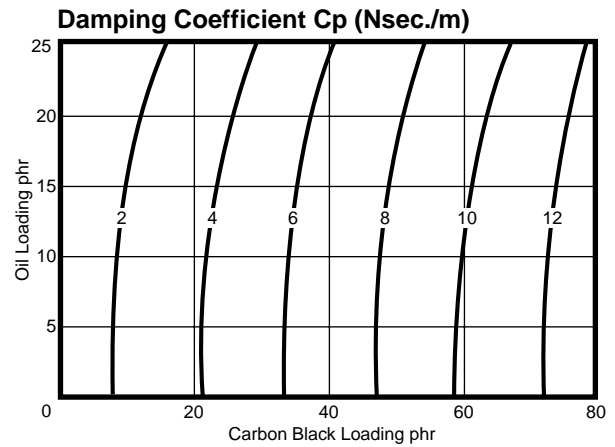
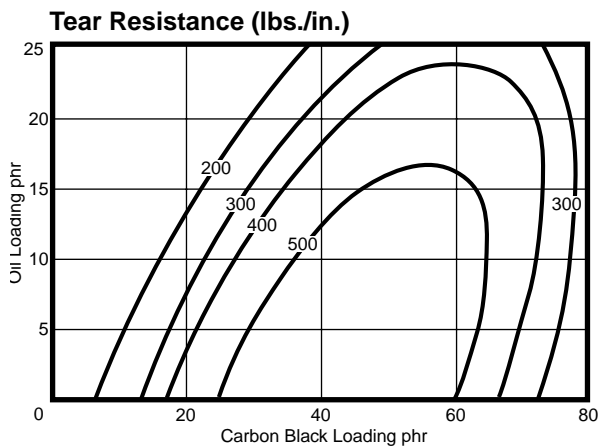
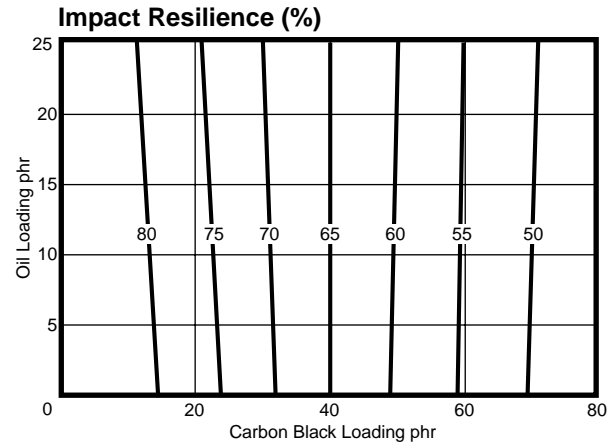
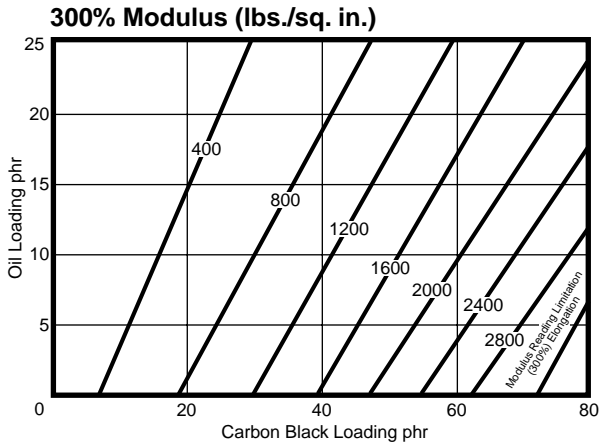
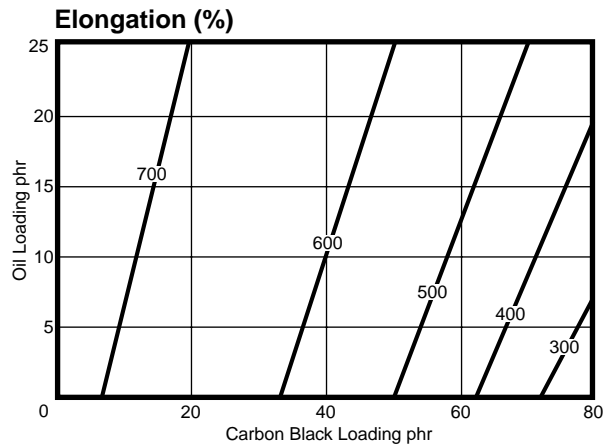
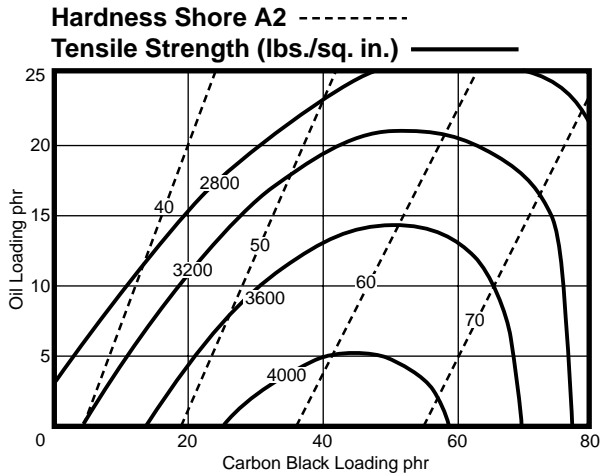
- Good abrasion resistance
- Excellent cut / chip / tear resistance

Typical Applications

- Off the road tire treads
- Truck tire treads
- Industrial product applications



VULCAN[®]9 Carbon Black



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