

VULCAN[®] 10H carbon black



GENERAL DESCRIPTION

VULCAN[®] 10H carbon black is a reinforcing carbon black, offering high reinforcement and very high resistance to abrasion in natural and synthetic rubber compounds.

VULCAN 10H carbon black has a higher STSA surface area and smaller aggregates than ASTM N234, N115, N120 and N110 carbon blacks. The ultimate carbon black particles are highly aggregated.

PERFORMANCE FEATURES

VULCAN 10H carbon black can impart better abrasion resistance to rubber than ASTM N234, N120, N115 and N110 carbon blacks. Tire field tests have shown that depending on road and test conditions, tread wear improvements of 10% or more can be achieved over ASTM N234 carbon black.

VULCAN 10H carbon black is well suited for the treads of truck and bus tires subjected to high abrasion conditions. VULCAN 10H carbon black is also recommended for the use in blends with silica in compounds for the treads of low rolling resistance truck tires to help maintain tread wear resistance.

VULCAN 10H carbon black exhibits high stiffness and loss modulus in tire tread compounds, leading to good tire handling and dry grip. Those performance features make VULCAN 10H carbon black a good choice for use in combination with silica in compounds for the treads of high performance passenger and light truck tires.

The VULCAN 10H carbon black rubber compound properties of good wear, resistance to tear, cut, and chip & chunking make it very suitable for use in the treads of OTR tires, including giant earth mover and mining tires.

TYPICAL APPLICATIONS

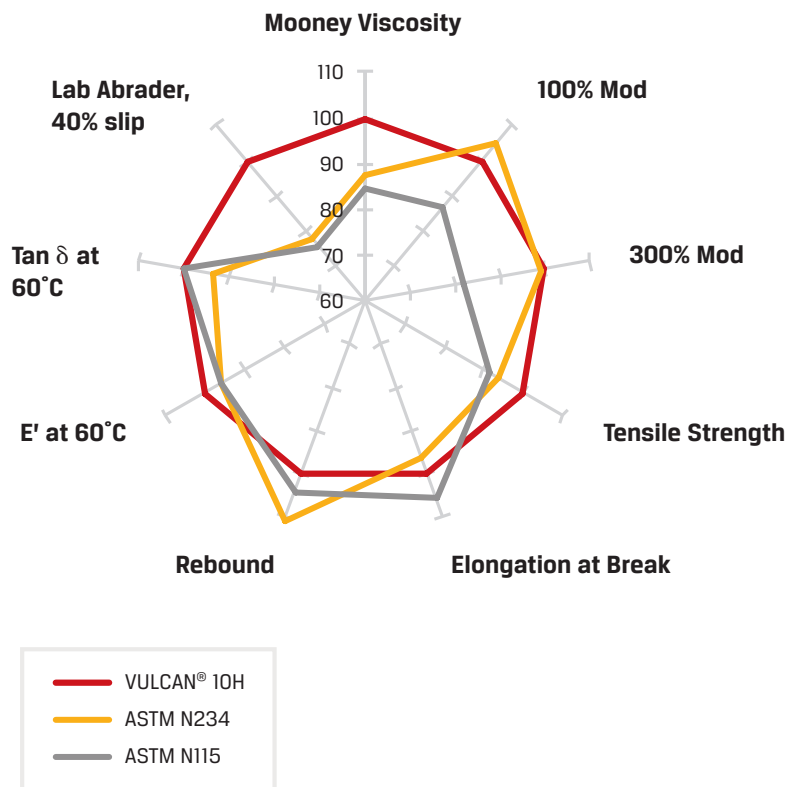
- Treads of passenger, truck and OTR tires
- Truck tire re-treads
- High performance passenger and light truck tires

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TECHNICAL DATA

VULCAN® 10H carbon black can improve reinforcement and abrasion resistance of rubber compounds compared to compounds made with ASTM N234 and N115 carbon black.

Test Formulation: 100 phr NR, 50 phr carbon black



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