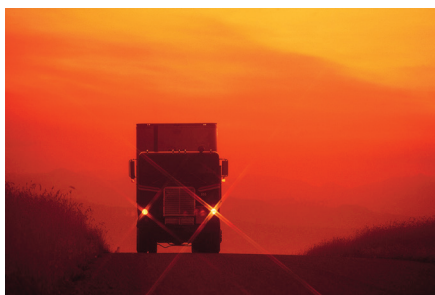


VULCAN[®] 10 carbon black



GENERAL DESCRIPTION

VULCAN[®] 10 carbon black is an excellent reinforcing agent for use in high performance passenger car and truck tire tread compounds that demand good tread wear, traction, and cut/chip resistance.

PROPERTIES	TEST METHOD (ASTM)	UNITS	TYPICAL VALUE
Iodine adsorption number	D1510	mg/g	122
Oil absorption number (OAN)	D2414	ml/100g	114
OAN after crushing (COAN)	D3493	ml/100g	97
Tinting strength	D3265	%	129
STSA surface area	D6556	m ² /g	121

PERFORMANCE FEATURES

VULCAN 10 carbon black provides excellent tread wear resistance coupled with low resilience, yielding compounds well suited for performance tire applications. Rubber compounds reinforced with VULCAN 10 carbon black exhibit high elastic modulus and hysteresis, enabling excellent traction and handling properties.

VULCAN 10 carbon black is recommended for high speed rated passenger tires. VULCAN 10 carbon black improves tread wear over conventional carbon black products, provides high hysteresis for excellent traction and high elastic modulus for good handling properties. VULCAN 10 carbon black is also recommended for truck and off-the-road (OTR) treads, improving tread wear over conventional products. It delivers improved cut/chip performance for off-the-road and mixed service tire applications.

TYPICAL APPLICATIONS

- High performance passenger tire treads
- Truck treads
- OTR transport and loader treads.

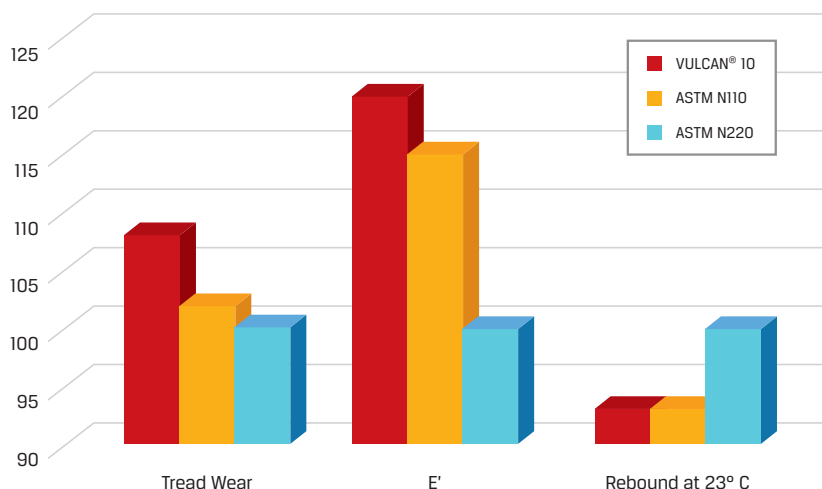
VULCAN[®] 10 carbon black

TECHNICAL DATA

1) SBR/BR test formulation (89 phr SBR1712, 35 phr BR, 65 phr Carbon Black, 11 phr Oil)

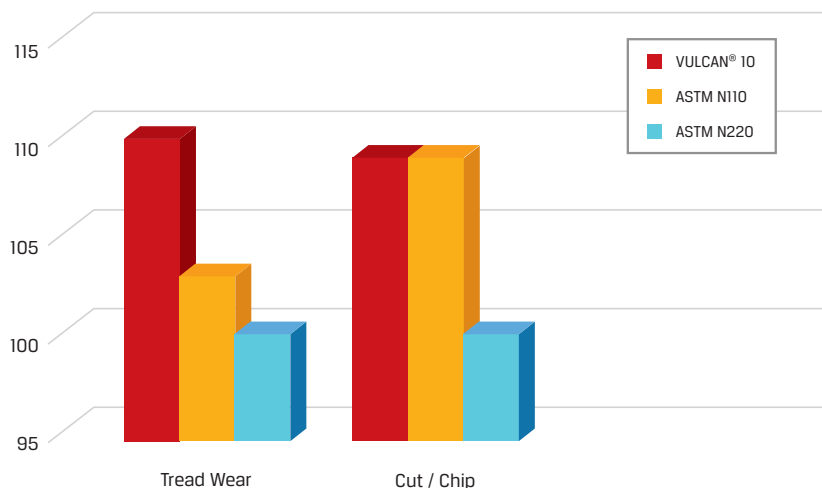
VULCAN 10 carbon black exhibits excellent tread wear resistance coupled with high elastic modulus and low resilience.

Performance Indices (higher is better)



2) Natural Rubber test formulation (100 phr NR, 50 phr Carbon Black, 5 phr Oil)
VULCAN 10 carbon black exhibits excellent tread wear and cut/chip resistance.

Performance Indices (higher is better)



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