

Carbon Black N220

ASTM N220 · ISAF-HM · equivalent to Vulcan 6

Hard grade furnace carbon black. High wear resistance, high tear and rupture resistance, high dynamic hardness. Supplied as pellets.

Typical Properties (Guaranteed Limits)

Property	Specification	Test Method
Iodine Adsorption Number	116.0 - 126.0 mg/g	ASTM D-1510
Oil Absorption Number (DBP)	109.0 - 119.0 cm ³ /100 g	ASTM D-2414
Tint Strength	111.0 - 121.0 %IRB3	ASTM D-3265
Pelleted Pour Density	335 - 375 kg/m ³	ASTM D-1513
Toluene Extract Transmittance	min 85.0 %	ASTM D-1618
pH Value	7.5 - 9.0	ASTM D-1512
Ash Content	max 0.75 %	ASTM D-1506
Heating Loss	max 1.0 %	ASTM D-1509
Pellet Fines	max 10.0 %	ASTM D-1508
Sieve Residue	max 1000 ppm	ASTM D-1514
Individual Pellet Hardness	average 10 - 40; max 50 cN	ASTM D-3313

Typical Applications

Truck and off-the-road (OTR) tire treads, passenger car tire treads, solid tires and molded components. Reinforcing filler where maximum abrasion resistance is required.

Packing

21 kg paper bags (1,155 kg per pallet) or 1000 kg big bag. 20 FCL: 9,240 kg bagged / 10,000 kg jumbo.

Storage & Shelf Life

In accordance with ASTM D8043 the shelf life of carbon black is indefinite when stored in a manner that protects it from liquid water or high humidity. Re-testing of moisture content is recommended for material stored at the customer site for more than 12 months. Avoid dust formation; earth all handling equipment; keep away from strong oxidising agents and sources of ignition.

Application suggestions are indicative; final suitability for a specific process or product is to be validated by the customer. The values above are guaranteed specification limits. A batch Certificate of Analysis with measured results accompanies every shipment. Independent pre-shipment inspection (e.g. SGS) is available on request. Refer to the Safety Data Sheet before handling. HS Code: 2803 00.