

N-550

GENERAL DESCRIPTION

N-550 black has a very high structure, low surface area and is a medium-active carbon black. It imparts high extrudability and high tear resistance.

PERFORMANCE FEATURES

N-550 carbon black is easy to disperse and provides high endurance properties to rubber compounds. It is used in conveyor belts, V-belts, general molding and bicycle tire.

TYPICAL APPLICATIONS

- Carcass • Retreading • Bicycle Tire • Butyl Tube/Tire • Profiles • General Molding • V-belts
- Conveyor Belts • Seals • Cable • Gasket • Footwear • Film • PVC

PROPERTIES

TEST METHOD	(ASTM)	UNITS	LSL	USL	Targeted Range
Iodine Adsorption Number	D1510	g/kg	38	48	43
Oil Absorption Number (OAN)	D2414	cc/100g	116	126	121
OAN after Crushing (COAN)	D3493	cc/100g	80	90	85
N ₂ SA	D6556	m ² /g	35	45	45
Pour Density	D-1513	kg/m ³	330	380	355
Sieve Residue #325 mesh	D-1514	%	---	0.050	---
Sieve Residue #35 mesh	D-1514	%	---	0.001	---
Ash Content	D-1506	%	---	0.75	---
Fines Content	D-1508	%	---	8	---
Toluene Discoloration	D-1618	%T	96	---	---
Pellet Hardness	D-5230	gmf	15	35	25
Moisture Content	D-1509	%	--	1.5	---
Modulus 300% (Difference from IRB7)	D-3192/ D-412	Mpa	-2.4	-0.4	-1.4