

Product Technical Data Sheet



Product Name: N550
Revision date: 2016-8-30
Version: 1.0

N550: First Extrusion Furnace black

Product Description

Impart high modulus and high tensile as per ASTM NR compound compared to N660 at equivalent hardness.

Product Features

- High Structure comparable to N650
- Tint% higher than N650 and N660
- Surface Area higher than N650 and N660
- Sieve Residue less than 100 ppm in 325 Mesh and at 100 Mesh it is nil

Applications

- Inner tubes/ Passenger car tire sidewall/ Beads/ Plies/ Cycle tyre/ tube/ conveyor belt/ Belt
- Profile applications/ Engine mounts
- Oil seals/ Cable/ Footwear

Technical Specifications

	Test Method	Units	Specified range
Tint	D-3265	% (ITRB #3)	60 ± 5
DBP No. (OAN)	D-2414	(cc/100 g)	121 ± 5
24 M ₄ DBP NO. (COAN)	D-3493	(cc/100g)	83 - 87
CTAB	D-3765	(m ² / g)	42 ± 5
STSA	D-6556	m ² / g)	38 - 40
N ₂ SA	D-6556	(m ² / g)	39 - 41
I ₂ No.	D-1510	(mg/g)	43 ± 5
pH	D-1512		7.5 ± 1.5
Ash (max.)	D-1506	% (max.)	0.5
P.D.	D-1513	kg/m ³	353 - 369

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S.R # 325 (max.)	D-1514	%	0.02
S.R. # 100 (max.)	D-1514	%	0.002
S.R. # 35 (max.)	D-1514	%	Nil
M 300% (Diff. from IRB#8) 30' @ 145 ° C	D-3192/ D-412	(Mpa)	-0.69 ± 1.0
Fines 5' (Max)	D-1508	%	7.0
Pellet Hardness	D-5230	(gf)	15 - 50
Heating Loss (Max.)	D-1509	%,	1.5 (PB) / 1.0 (JB)
T.D. (Min.)	D-1618	% T	85
Mass Strength	D-1937	kgf	20 ± 5

Packaging

- May be available in 25 kg two ply craft paper bag
- 1000 kg jumbo bags

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