

## Product Technical Data Sheet



**Product Name:** N774  
**Revision date:** 2016-8-30  
**Version:** 1.0

### N774: Semi Reinforcing Furnace Black

#### Product Description

Impart low modulus and low tensile as per ASTM NR compound compared to N550 and N660 with equivalent hardness. It reduces viscosity, increase die swell and extrusion shrinkage compared to N660 & N550

#### Product Features

- Low Structure Black
- Low Surface Area compared to N660 & N550
- Sieve Residue less than 30 ppm in 325 Mesh
- Low reinforcing black

#### Applications

- Hose application. Engine mounts, seals, Gaskets and profile Molded items application

#### Technical Specifications

	Test Method	Units	Specified range
Tint	D-3265	% ( ITRB #3)	50 ± 5
DBP No. (OAN)	D-2414	(cc/100 g)	72 ± 5
24 M <sub>4</sub> DBP NO. (COAN)	D-3493	(cc/100g)	59 - 65
CTAB	D-3765	(m <sup>2</sup> / g)	29 ± 5
STSA	D-6556	m <sup>2</sup> / g)	27 - 31
N <sub>2</sub> SA	D-6556	(m <sup>2</sup> / g)	28 - 32
I <sub>2</sub> No.	D-1510	(mg/g)	29 ± 5
pH	D-1512		7.5 ± 1.5
Ash (max.)	D-1506	% (max.)	0.5
P.D.	D-1513	kg/m <sup>3</sup>	469 - 514

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<b>S.R # 325 (max.)</b>	<b>D-1514</b>	%	0.03
<b>S.R. # 100 (max.)</b>	<b>D-1514</b>	%	0.003
<b>S.R. # 35 (max.)</b>	<b>D-1514</b>	%	0.0003
<b>M 300% (Diff. from IRB#8) 30' @ 145 ° C</b>	<b>D-3192/ D-412</b>	(Mpa)	-3.89 ± 1.0
<b>Fines 5' (Max)</b>	<b>D-1508</b>	%	7.0
<b>Pellet Hardness</b>	<b>D-5230</b>	(gf)	15 - 50
<b>Heating Loss (Max.)</b>	<b>D-1509</b>	%,	1.5 (PB) / 1.0 (JB)
<b>T.D. (Min.)</b>	<b>D-1618</b>	% T	75
<b>Mass Strength</b>	<b>D-1937</b>	kgf	20 ± 5

### Packaging

- May be available in 25 kg two ply craft paper bag
- 1000 kg jumbo bag
- 1200 kg jumbo bag

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