

N-375

GENERAL DESCRIPTION

N-375 is a cost effective black used when a lower modulus level is required. It imparts good wear resistance to all tire tread rubbers. It is also a medium structure black; thus it disperses excellent scorch safety, lower modulus & higher elongation than N-339.

PERFORMANCE FEATURES

N-375 is suited for tire tread that requires better wear, tear and cut/chip resistance. It is recommended for industrial rubber product applications requires high abrasion and tear resistance, such as conveyor belts, solid tires and Extruded goods.

TYPICAL APPLICATIONS

- OTR Tires • Automobile • Retreading • Hoses & Hose Covers • conveyor belts • Paints • Dyes
- Pigments • Extruded Goods

PROPERTIES

TEST METHOD	(ASTM)	UNITS	LSL	USL	Targeted Range
Iodine Adsorption Number	D1510	g/kg	85	95	90
Oil Absorption Number (OAN)	D2414	cc/100g	109	119	114
OAN after Crushing (COAN)	D3493	cc/100g	91	101	95
Tinting Strength	D3265	%	109	119	114
N ₂ SA	D6556	m ² /g	88	98	93
Pour Density	D-1513	kg/m ³	315	365	340
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	95	--	---
Pellet Hardness(avg.)	D-5230	gmf	15	35	24
Moisture Content	D-1509	%	--	1.5	---
Modulus 300%	D-3192/	Mpa	-3.0	-1.0	-2.0
(Difference from IRB7)	D-412				