

N-774

GENERAL DESCRIPTION

N-774 is a reinforcing carbon black which gives high elasticity and enables low heating generation in rubber. It has low surface area and low structure allowing for high loading to be used in many rubber compounds.

PERFORMANCE FEATURES

It is used for manufacturing of frameworks, extruded rubber parts, tubes, rubber items subject to dynamic loads.

TYPICAL APPLICATIONS

• Bicycle Tires • Butyl Tubes/Tires Profiles • Conveyor Belts • Seals • Gasket • Masterbatch

PROPERTIES

TEST METHOD	(ASTM)	UNITS	LSL	USL	Targeted Range
Iodine Adsorption Number	D1510	g/kg	24	34	29
Oil Absorption Number (OAN)	D2414	cc/100g	69	79	74
OAN after Crushing (COAN)	D3493	cc/100g	58	68	63
N ₂ SA	D6556	m ² /g	25	35	30
Pour Density	D-1513	kg/m ³	445	495	470
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	78	---	---
Pellet Hardness	D-5230	gmf	15	35	25
Moisture Content	D-1509	%	--	1.5	---
Modulus 300% (Difference from IRB7)	D-3192/ D-412	Mpa	-5.6	-3.6	-4.6