

N-650

GENERAL DESCRIPTION

N-650 black is developed for superior performance in extruded and molded rubber product applications. It provides better dispersion, shorter mixing times, lower compound viscosity with minimal change in tensile strength and modulus, compared to the N-550 black.

PERFORMANCE FEATURES

N-650 carbon black is easy to disperse and provides very good extrusion properties to rubber compounds. It has high profiling properties. It is widely used for producing framed and breaker rubbers. It is also used for producing tubes, profiling articles, rubber-technical seals and molded articles, cables and footwear.

TYPICAL APPLICATIONS

• Profiles • Seals • Cable • Gasket • PVC • Butyl Tubes/Tires

PROPERTIES

TEST METHOD	(ASTM)	UNITS	LSL	USL	Targeted Range
Iodine Adsorption Number	D1510	g/kg	32	42	37
Oil Absorption Number (OAN)	D2414	cc/100g	118	128	123
OAN after Crushing (COAN)	D3493	cc/100g	79	89	84
N ₂ SA	D6556	m ² /g	31	41	36
Pour Density	D-1513	kg/m ³	343	393	368
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	90	---	---
Pellet Hardness	D-5230	gmf	15	35	25
Moisture Content	D-1509	%	--	1.5	---
Modulus 300% (Difference from IRB7)	D-3192/ D-412	Mpa	-2.2	-0.3	-1.2