RALSON CARBON GOODLUCK

N-234

GENERAL DESCRIPTION

This is a High-structure carbon black, which disperses well in rubber compounds and significantly increases their modulus. It improves squeezeability of rubber compounds, which is achieved only by using high-structure carbon blacks with special technology.N-234 is applicable in multiple elastomer mixes, particularly those based on butadiene rubber used in manufacturing of treads and tread rubber

PERFORMANCE FEATURES

N-234, Disperses well and gives moderately high modulus while imparting excellent extrusion characteristics to rubber compounds.It enhances wear resistance in tire tread compounds.It has high jetness value i.e. high tinting strength which makes it suitable for solvent based paints & printing inks.

TYPICAL APPLICATIONS

• Treads of Premium Passenger Car Tires,Truck Tires and Solid Tires • Retreading • OTR Tires • Automobile • Retreading • Hoses & Hose cover • Paints • Inks • Dyes • Pigments • Conveyor Belts

PROPERTIES

TEST METHOD	(ASTM)	UNITS	LSL	USL	Targeted Range
Iodine Adsorption Number	D1510	g/kg	115	125	120
Oil Absorption Number (OAN)	D2414	cc/100g	120	130	125
OAN after Crushing (COAN)	D3493	cc/100g	97	107	102
Tinting Strength	D3265	%	118	128	123
N2 SA	D6556	m2/g	114	124	119
Pour Density	D-1513	kg/m³	305	355	330
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 Discolorarion	D-1618	%T	94	--	---
Pellet Hardness(avg.)	D-5230	gmf	15	35	25
Moisture Content	D-1509	%	--	2.0	---
Modulus 300% (Difference from IRB7)	D-3192/ D-412	Mpa	-2.52	+0.92	-0.8