



ADL NRG GmbH

BLACK NRG[®] **N550 CARBON BLACK** PRODUCT INFORMATION

Applications

BLACK NRG N550 carbon black is a semi-reinforcing carbon black with low surface area of the class fast extrusion furnace (FEF) and conforms to ASTM N550 carbon black requirements. It is suitable for natural rubber and synthetic rubbers

BLACK NRG N550 carbon black can be used in fabric cord, tire side compound, extrusion and rolling compounds; for extruded profiles, hoses, belts, brake diaphragms, and plastic piping.

Performance Features

The smooth particle surface and high structure results in best reinforcement properties, good dimensional stability, good abrasion resistance.

BLACK NRG N550 is easy to disperse, resulting in high enduring property, high extrusion rate, smooth surface, small expansion, high temperature resistance and high heat-conductive, high re-inforcement, high elasticity and rebounding properties.

Properties of N550 carbon black

Properties	Test method	N550 not granulated	N550 granulated
DBPA absorption number cc/100g	ASTM D-2414	121	121
Iodine adsorption number, mg/kg	ASTM D-1510	44	44
Sieve residue on 045(325 Mesh USStd),PPM	ASTM D-1514	≤ 800	≤ 800
Sieve residue on 050(350 Mesh USStd),PPM	ASTM D-1514	≤ 10	≤ 10
pH	ASTM D-1512	9	9
Ash content, max %	ASTM D-5630	0,4	0,4
Fines content, pelleted, max %	ASTM D-1508	-	5
Pour density, min, kg/m ³	ASTM D-1513	-	360
Heat loss,%	ASTM D-1509	0,4	0,4

The data in the table above are typical values; they are not product specifications.

Product form & Logistics

Product form: Pellets, fluffy.

Packaging options:

Powder: paper bags 15 kg.

Pellets: paper bags 28-30 kg; big bags 840 kg.

FTL: powder 16,3 mt; pellets 20 mt.

