

**Technical Data Sheet
Carbon Black-N550**

Other Name: Fast Extrusion Furnace Black; FEF

Physical & Chemical Properties: Its iodine adsorption value is 43 g/kg, and DBP adsorption is 121cm³/100g. Carbon black N550 has smooth particle surface and high structure, resulting in best reinforcement properties among soft carbon blacks.

Application: Carbon black N550 is used in fabric cord, tire side compound, extrusion and rolling compounds. It is suitable for natural rubber and synthetic rubbers.



Performance Features

- High modulus
- High hardness
- Low die swell

Typical Applications

- Carcass
- Inner tube
- Tire sidewall
- Conveyor belt covers
- Hose
- Rubber footwear
- Cable
- Rubber products

Test Items	Unit	Index
Iodine Adsorption Number	g/kg	43±4
Oil absorption Number(OAN)	10 ⁻⁵ m ³ /kg	121±5
Crushed OAN (COAN)	10 ⁻⁵ m ³ /kg	80-90
CTAB absorption surface Area-N ²	10 ³ m ² /kg	37-47
STSA	10 ³ m ² /kg	39±5
N2SA	10 ³ m ² /kg	36-44
Tint Test, Reflectance From ITRB	%	-----
Moisture, Bulk& Bag (as shipped)	%	≅ 1.5
Ash content	%	≅ 0.5
45µm Sieve residue	%	≅ 0.05
Impurity	/	None
Fines/Attrition	%	≅ 8
(Note I)(25g,No.120 US Std Sieve)		
Pour density	kg/m ³	360±40
300% stretching stress (SRB7#)	Mpa	-0.6±1.0