

**Technical Data Sheet**

**Carbon Black  
N-660**

It has moderate strengthening properties. It is a soot with high uses. It produces little heat in the tire and is used in all elastomers. Compared to N550, it gives even lower heat build up, long fatigue life and good processibility. It is used for body compounds in passenger tires, including inner liners, as well as numerous rubber goods e.g., injection molding. One of the properties of this soot grade is medium reinforcement, and this grade is used to make the inner layers and outer wall of the tire, cable cover, sealing rings, and so on. Medium reinforcing for inner tubes cable insulation, and body mounts.

**Applications:**

- 1-Reinforcing filler for rubber products
  - tires: inner liners, carcasses, sidewalls and treads
  - Molded and extruded industrial rubber products: belts, hoses, gaskets, diaphragms, vibration isolation devices, bushings, air springs, chassis bumpers, multiple types of pads, boots, wiper blades, fascia, conveyor wheels, and grommets
- 2-UV Protection
  - Shields from UV rays and prevents plastic aging
  - Used for conductive packaging, moldings, pipes and semi-conductive cable compounds.
- 3-Pigment for printing inks and paints
  - Color matching of plastic products and pigmentation for a number of coating applications including automotive (primer basecoats and clearcoats), marine, aerospace, decorative, wood, and industrial coatings
- 4-Electrical conductivity
  - Insulating polymers such as plastics conductive. Applications include electronic packaging, security applications, and automotive parts

Quality Specification	ASTM	Value
Iodine Adsorption Number. (mg/g)	D 1510	36±5
Oil Absorption Number (OAN)(ml/100g)	D 2414	90±5
Oil Absorption Number of compressed Sample (COAN). (ml/100g)	D 3493	74±5
Pour Density, (kg/m)	D 1513	440±20
Heating Loss. (max %)	D 1509	1
Toluene solvent Discoloration, (min%)	D 1618	75
PH	D 1512	7.5 -9
Fines content. QBag,(max%)	D 1508	7
Fines content. Bag,(max%)	D1508	10
Individual pellet Hardness-Max 20, (CN)	D 3313	50
Individual pellet Hardness-Ave 20, (CN)	D 3313	10 -40
Sieve Residue-No 35 US Std max, (ppm)	D 1514	10
Sieve Residue-No 325 US Std max, (ppm)	D 1514	1000
Ash content. (max %)	D 1506	0.75
Sulfur Content. (max %)	D 1619	2
NSA.(m <sup>2</sup> /g)	D 6556	35±5
STSA. (m <sup>2</sup> /g)	D 6556	34±5
Tint Strength (%)	D 3256	.....
Particle size (nm)	.....	49-60