

**Technical Data Sheet  
Carbon Black-N220**

**Other Name:** Intermediate Super Abrasion Furnace Black; ISAF

**Physical & Chemical Properties:** Carbon black N220 with high re-enforcement property is a widely used furnace black. It has high structure, and its abrasion is between those of super abrasion furnace black and high abrasion furnace black. Its iodine adsorption value is 121g/kg, and DBP adsorption is 114cm<sup>3</sup>/100g.

**Application:** Carbon black N220 is used in tread compounds of truck tire, passenger tire and high strength high abrasion rubber products, such as high strength conveyor belt and industrial rubber articles etc.



**Performance Features**

- High reinforcement
- High Tear Resistance
- Good Processing Characteristics

**Typical Applications**

- Passenger and truck tire tread
- Conveyor belt covers
- Hose
- Cots
- Rubber footwear
- Cable
- Rubber products
- Ink
- Coating
- Plastic
- Printing & Dyeing

Test Items	Unit	Index
Iodine Adsorption Number	g/kg	121±5
Oil absorption Number(OAN)	10 <sup>-5</sup> m <sup>3</sup> /kg	114±5
Crushed OAN (COAN)	10 <sup>-5</sup> m <sup>3</sup> /kg	93-103
CTAB absorption surface Area-N <sup>2</sup>	10 <sup>3</sup> m <sup>2</sup> /kg	105-117
STSA	10 <sup>3</sup> m <sup>2</sup> /kg	106±5
N2SA	10 <sup>3</sup> m <sup>2</sup> /kg	109-119
Tint Test, Reflectance From ITRB	%	111-121
Moisture, Bulk& Bag (as shipped)	%	≅2.0
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 <sup>3</sup>	355±40
300% stretching stress (SRB7#)	Mpa	'-2.0±1.0