

**Technical Data Sheet**  
**Carbon Black-N234**

**Other Name:** Intermediate Super Abrasion Furnace Black-high structure (New technology) ; ISAF-HS (New technology)

**Physical & Chemical Properties:** Carbon black N234, compared to other grades of N220 series, has higher structure, higher abrasion. Its iodine adsorption value is 120g/kg, and DBP adsorption is 125cm<sup>3</sup>/100g.

**Application:** Carbon black N234 is used in the tread compounds of high speed tire and high performance rubber products.



**Performance Features**

- Moderately high reinforcement
- Moderate modulus
- Good Processing

**Typical Applications**

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

Test Items	Unit	Index
Iodine Adsorption Number	g/kg	120±5
Oil absorption Number(OAN)	10 <sup>-5</sup> m <sup>3</sup> /kg	125±5
Crushed OAN (COAN)	10 <sup>-5</sup> m <sup>3</sup> /kg	97-107
CTAB absorption surface Area-N <sup>2</sup>	10 <sup>3</sup> m <sup>2</sup> /kg	113-125
STSA	10 <sup>3</sup> m <sup>2</sup> /kg	112±5
N2SA	10 <sup>3</sup> m <sup>2</sup> /kg	114-124
Tint Test, Reflectance From ITRB	%	118-128
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>	320±40
300% stretching stress (SRB7#)	Mpa	'-0.1±1.0