

Technical Data Sheet

Carbon Black (N550) · CAS 1333-86-4 · C

Technical Data Sheet (TDS) - Carbon Black N550

Grade: Fast Extruding Furnace (FEF)

CAS No: 1333-86-4

Standard: ASTM D1765

Product Description

Carbon Black N550 is a medium-surface-area, high-structure reinforcement agent. It provides high modulus and high stiffness to rubber compounds while maintaining low die swell during extrusion.

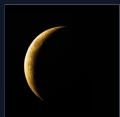
Technical Specifications

Property	Test Method	Typical Value	Unit
Iodine Adsorption Number	ASTM D1510	43 ± 5	g/kg
OAN (Oil Absorption Number)	ASTM D2414	121 ± 5	10 {um ³ /kg
Tint Strength	ASTM D3265	48 - 60	%
NSA Multipoint	ASTM D4820	38 - 46	m ² /g
Heating Loss (Moisture)	ASTM D1509	1.0 Max	%
Ash Content	ASTM D1506	0.5 Max	%
Sieve Residue (325 Mesh)	ASTM D1514	0.02 Max	%
Pour Density	ASTM D1513	360 ± 40	kg/m ³

Features & Benefits

- Optimal Processing: High extrusion speed and smooth surface finish.
- Reinforcement: Yields high modulus and good fatigue resistance.
- Compatibility: Excellent dispersion in NR, EPDM, SBR, and CR.

Note: The above data are typical values and do not constitute a specification. Draft for review.



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