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## MATERIAL SPECIFICATION

### Carbon black N121

PROPERTY	Target	Tolerance	ASTM test method
1. Iodine adsorption, g/kg	121	± 5	D 1510
2. Oil absorption number, cm <sup>3</sup> /100g	132	± 5	D 2414
3. Sieve residue 45 µm (No.325), %		≤ 0.03	D 1514
4. Sieve residue 180 µm (No.80), %		≤ 0.005	D 1514
5. Heating loss, %		≤ 1.5	D 1509
6. Fines content, %		≤ 7	D 1508
7. pH value		7 ÷ 10	D 1512
8. Sulfur content, %		≤ 1.1	D 1619
9. Individual pellet hardness (average of 20), cN		20 ÷ 40	D 5230
10. Individual pellet hardness (average of 5 hardest), cN		≤ 65	D 5230
11. Individual pellet hardness (max of 20), cN		≤ 75	D 5230
12. External surface area (STSA), m <sup>2</sup> /g	114	± 5	D 6556
13. Tint strength	119	± 5	D 3265
14. Oil absorption number of compressed sample, cm <sup>3</sup> /100g	111	± 5	D 3493
15. Residue on ignition at 950°C, %		≤ 1.0	