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## MATERIAL SPECIFICATION

### Carbon black N299

PROPERTY	Target	Tolerance	ASTM test method
1. Iodine adsorption, g/kg	108	± 5	D 1510
2. Oil absorption number, cm <sup>3</sup> /100g	124	± 5	D 2414
3. Sieve residue 45 µm (No.325), %		≤ 0.1	D 1514
4. Heating loss, %		≤ 1.0	D 1509
5. Ash content, %		≤ 1.0	D 1506
6. Pour density, kg/m <sup>3</sup>	334	± 30	D 1513
7. Fines content, %		≤ 8	D 1508
8. Individual pellet hardness (average of 20), g		≤ 55	D 5230
9. Individual pellet hardness (max of 20), g		≤ 90	D 5230
10. External surface area (STSA), m <sup>2</sup> /g	97	± 6	D 6556
11. Tint strength	113	± 5	D 3265
12. Oil absorption number of compressed sample, cm <sup>3</sup> /100g	105	± 7	D 3493
13. pH value	8.5	± 1.5	D 1512
14. Reception temperature, °C		≤ 70	