

MATERIAL SPECIFICATION

Carbon black N330

| PROPERTY | Target | Tolerance | ASTM test method |
|---|--------|-----------|------------------|
| 1. Iodine adsorption, g/kg | 82 | ± 6 | D 1510 |
| 2. Oil absorption number, cm ³ /100g | 102 | ± 6 | D 2414 |
| 3. Sieve residue 45 µm (No.325), % | | ≤ 0.05 | D 1514 |
| 4. Sieve residue 500 µm (No.35), % | | ≤ 0.001 | D 1514 |
| 5. Heating loss, % | | ≤ 1.0 | D 1509 |
| 6. Ash content, % | | ≤ 0.75 | D 1506 |
| 7. Pour density, kg/m ³ | 380 | ± 25 | D 1513 |
| 8. Fines content, % | | ≤ 7 | D 1508 |
| 9. pH value | | 7 ÷ 10 | D 1512 |
| 10. Sulfur content, % | | ≤ 1.1 | D 1619 |
| 11. Individual pellet hardness (average of 20), g | | ≤ 55 | D 5230 |
| 12. Individual pellet hardness (max of 20), g | | ≤ 90 | D 5230 |
| 13. Toluene discoloration, % | | ≥ 85 | D 1618 |
| 14. BET surface area (NSA), m ² /g | 78 | ± 5 | D 6556 |
| 15. External surface area (STSA), m ² /g | 75 | ± 5 | D 6556 |
| 16. Tint strength | 104 | ± 5 | D 3265 |
| 17. Oil absorption number of compressed sample, cm ³ /100g | 88 | ± 5 | D 3493 |