



CICARBO GRAPHENE™

CELTIG



Taking on the world of graphene!

TECHNICAL DATA SHEET (Product NCG015) CICARBO GRAPHENE™ (NANOCOMPOSITES GRADE)

PHYSICAL PROPERTIES

Form: Light powder
Color: Dark gray to black
Odor: Odorless
Carbon content: > 95.0 wt%
Moisture content: < 0.75 wt%
Oxygen content: < 2.0 wt%
Ash content: < 4.5 wt%
Dry powder resistivity: < 150 ohm cm
Sheet resistivity: < 30 ohm/square (4-pt. probe; 50 µm film)
Particle size range: 150 nm to 10 µm
Mono-, bi-, and tri-layer content: > 65% (particle count)
Average particle thickness: < 2.8 nm (DLS/PSA estimate)
Particle layer count: < 16
Dry powder density: ≈ 180 kg/m³
True density: 2.2 g/cm³
Specific surface area: < 100 m²/g (DLS/PSA estimate)

POTENTIAL APPLICATIONS

High performance films
Improved coatings and paints
3D printing technology
Thermally conductive plastics
Enhanced nanocomposites
High/low temperature greases
Fire-retardant foams
Automotive fluid additives
Thermally conductive foams
High performance polymer composites
Adhesive enhancement
Structural materials applications

*All chemical analyses were performed using applicable ASTM standard protocols.



FOR ADDITIONAL INFORMATION AND PRICING, PLEASE CONTACT:

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