

Technical Datasheet

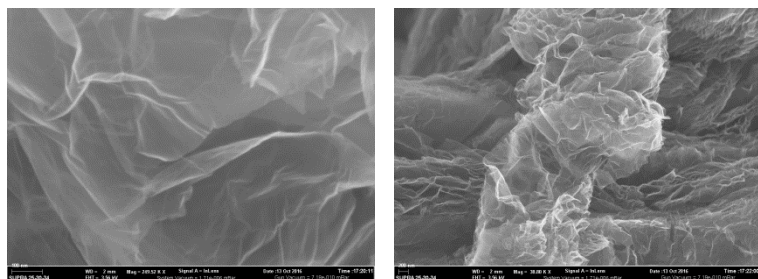
Product name: **REDUCED GRAPHENE OXIDE (high porosity)**

Technical Attributes

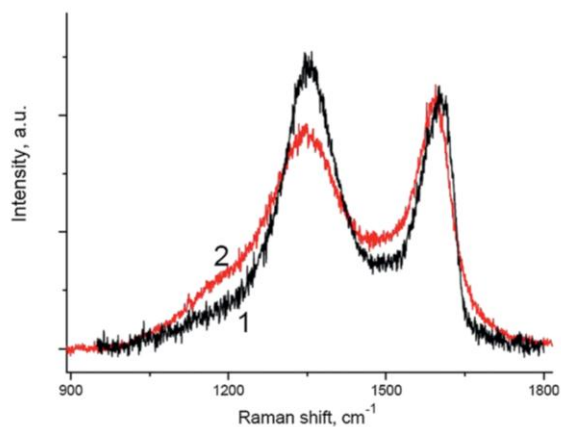
No	Name of performance	Standard
1	Form	Dry powder
2	Particle size	10 – 100 microns
3	Color	Black
4	Smell	No contact
5	Conductivity (double-contact method)	No less than 2.0 S/cm
6	Dispersibility	Ammonia water, N-methylpyrrolidone, dimethylsulfoxide, dimethylformamide
7	Bulk density	No less than 0.01 g/cm ³
8	Specific surface area (BET)	No less than 650 m ² /g
9	Specific surface area (reference contact porosimetry)	No less than 2400 m ² /g
10	Pore volume	2.5-2.7 cm ³ /g

Chemical Composition

No	Composition	Standard (weight %)
1	Basal substance content	No less than 99 %
2	Carbon	No less than 96.0 %
3	Oxygen	No more 2.7 %
4	Hydrogen	No more than 0.3 %
5	Sulfur	No more than 0.4%
6	Nitrogen	No more than 0.5%
7	Other impurity	< 0.1 %



SEM Images



Raman spectra of GO (1) and high porosity RGO (2), obtained using 514 nm wavelength laser