

Fullerene & Graphene Products 2019 - 2020

CODE	PRODUCT NAME	CAS NO.	PACKING	PRICE (indian ₹)	PACKING	PRICE (Indian ₹)
FR 096	Fullerene C60 95%+ True Density: ~ 1.7 g/cm ³ , Colour: black	99685-96-8	500 mg	14404	1 gm	18090
FR 097	Fullerene C60 98%+ True Density: ~ 1.7 g/cm ³ , Colour: black	99685-96-8	5 gm	84060	25 gm	POR
FR 098	Fullerene C60 99%+ True Density: ~ 1.7 g/cm ³ , Colour: black	99685-96-8	500 mg	17019	1 gm	20709
FR 099	Fullerene C60 99.5%+ True Density: ~ 1.7 g/cm ³ , Colour: black	99685-96-8	5 gm	92079	25 gm	POR
FR 100	Fullerene C60 99.9%+ True Density: ~ 1.7 g/cm ³ , Colour: black	99685-96-8	500 mg	18099	1 gm	24039
FR 105	Fullerene C70 95%+ Colour: black	115383-22-7	5 gm	109089	25 gm	POR
FR 106	Fullerene C70 98%+ Colour: black	115383-22-7	500 mg	20709	1 gm	28071
FR 108	Fullerene C70 99%+ Colour: black	115383-22-7	5 gm	117909	25 gm	POR
FR 117	Fullerenol powder (hydroxylated fullerenes C60) Formula: C60(OH) _n , n~24-28 [Colour: dark brown or black]	-----	500 mg	24039	1 gm	33309
GR 540	Graphene >97% Size < 6 μm Layers < 10	1034343-98-0	5 gm	135909	25 gm	POR
GR 531	Graphene >98% Size 0.5-3 μm Layers < 10 Thickness 0.55-3.74nm	1034343-98-0	100 mg	12069	500 mg	53019
GR 504	Graphene >98% Size 1-5 μm Layers < 3	1034343-98-0	1 gm	96093	5 gm	POR
GR 513	Graphene >98% Size 8-15 μm Layers < 3	1034343-98-0	100 mg	13509	500 mg	57069
GR 522	Graphene >98% Size > 50 μm Layers < 3	1034343-98-0	1 gm	104099	5 gm	POR
GR 549	Graphene powder >99% (Single layer) Thickness: 0.6-1.2nm, Length: 0.8-2 μm	1034343-98-0	100 mg	15804	500 mg	59490
GR 110	Graphene Powder 99% (Single Layer) Thickness : 0.6-1.2nm, Length: 0.8-2 μm	1034343-98-0	1 gm	104499	5 gm	POR
GR 115	Graphene Powder 99% (Multi Layer) Thickness : 1.5-3.0nm, Length: 5-10 μm	1034343-98-0	100 mg	27090	1 gm	190809
GR 558	Graphene powder >99% (Multi layer) Thickness: 1.5-3.0nm, Length: 5-10 μm	1034343-98-0	1 gm	16209	5 gm	76590
GR 100	Graphene 99.5% No of layers: > 10, Lateral Size 5-10 μm, Thickness 8-12nm	1034343-98-0	1 gm	34029	5 gm	89109
GR 120	Graphene Nanoplatelets 99.5% 5-10 μm, Thickness : 8-12nm	-----	1 gm	39069	5 gm	96039
GR 105	Graphene Oxide 99%+ Thickness : 1.5nm, Size : 1-50 μm	-----	1 gm	37089	5 gm	94059
GR 125	Monolayer Graphene on SiO₂/Si (10mm x 10mm)-Pack 4 units Graphene Film Transparency : >97 % Coverage : >95% Thickness (theoretical) : 0.345 nm	-----	25 gm	38079	5 gm	95049
GR 130	Monolayer Graphene on Cu (60 mm x 40 mm) Graphene Film Growth method : CVD synthesis Appearance (color) : Transparent Transparency : > 97% Appearance (form) : Film Coverage : > 95% Number of graphene layers : 1	-----	1 gm	38079	5 gm	95049

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GR 135	Monolayer Graphene on SiO₂/Si (1 inch x 1 inch) Graphene Film Transparency : > 97 % Coverage : > 95% Thickness (theoretical) : 0.345 nm FET Electron Mobility on Al ₂ O ₃ : 2000 cm ² /Vs Hall Electron Mobility on SiO ₂ /Si : 4000 cm ² /Vs Sheet Resistance : 450±40 Ohms/sq (1cm x1cm)				1 unit	162092
GR 140	Bilayer Graphene on SiO₂/Si (10 mm x 10 mm) Transparency : >94 % Color : Transparent Coverage : >95% Number of graphene layers : 2 Thickness (theoretical) : 0.69 nm Sheet resistance : 330±30 Ohms/sq (1cm x 1cm)				1 unit	169029
GR 145	Trilayer Graphene on SiO₂/Si (10 mm x 10 mm) Transparency : >92 % Color : Transparent Coverage : >95% Number of graphene layers : 3 Thickness (theoretical) : 1.035 nm				1 unit	220599
GR 150	Graphene Oxide (4 mg/mL, Water Dispersion 1000 ml) Form : Dispersion of graphene oxide sheets Sheet dimension : Variable Color: Yellow-brown Odor : Odorless Dispersibility : Polar solvents Solvent : Water Concentration : 4 mg/ml		250 ml	63090	50 ml 1000 ml	27090 250169
GR 155	Reduced Graphene Oxide Form : Powder Reduction method: Chemically reduced Sheet dimension : Variable Color : Black Odor: Odorless Solubility : Insoluble Electrical conductivity : 666,7 S/m (*) BET surface area : 422.69 – 499.85 m ² /g Density : 1.91 g/cm ³				1 gm	70605
GR 160	Monolayer Graphene on Cu (4 Inches) Graphene Film Growth method : CVD synthesis Appearance (color) : Transparent Transparency: > 97% Appearance (form) : Film Coverage : > 95% Number of graphene layers : 1 Thickness (theoretical) : 0.345 nm FET Electron Mobility on Al ₂ O ₃ : 2000 cm ² /Vs Substrate Cu Foil Thickness : 18 m				1 unit	120699
GR 165	Monolayer Graphene on Cu (1 inch x 1 inch) Graphene Film Growth method: CVD synthesis Appearance (color): Transparent Transparency: > 97% Appearance (form): Film Coverage: > 95% Number of graphene layers: 1 Thickness (theoretical): 0.345 nm Substrate Cu Foil Thickness: 18 μm				1 unit	51093
GR 170	Monolayer Graphene on Cu (10 mm x 10 mm) - Pack 4 units Graphene Film Growth method: CVD synthesis Appearance (color): Transparent Transparency: > 97% Coverage: > 98% Number of graphene layers: 1 Thickness (theoretical): 0.345 nm FET Electron Mobility on Al ₂ O ₃ : 2000 cm ² /Vs FET Electron Mobility on SiO ₂ /Si: 4000 cm ² /Vs Sheet Resistance on SiO ₂ /Si: 450±40 Ohms/sq (1cm x1cm) Grain size: Up to 10 μm Substrate Cu Foil Thickness: 18 μm				1 unit	30609

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CODE	PRODUCT NAME	CAS NO.	PACKING	PRICE (indian ₹)	PACKING	PRICE (Indian ₹)
GR 175	Monolayer Graphene on Cu (12 mm Circular) - Pack 4 units Graphene Film Growth method : CVD synthesis Appearance (color) : Transparent Transparency : > 97% Appearance (form) : Film Coverage : > 95% Number of graphene layers : 1 Thickness (theoretical) : 0.345 nm FET Electron Mobility on Al ₂ O ₃ : 2000 cm ² /Vs Hall Electron Mobility on SiO ₂ /Si : 4000 cm ² /V Sheet Resistance on SiO ₂ /Si : 450±40 Ohms/sq (1cm x1cm) Grain size : Up to 10 m Substrate Cu Foil Thickness : 18 m				1 unit	30609
GR 180	Monolayer Graphene on PET (10 mm x 10 mm) - Pack 4 units Graphene Film Transparency : > 97% Coverage : > 95% Thickness (theoretical) : 0.345 nm FET Electron Mobility on Al ₂ O ₃ : 2000 cm ² /Vs FET Electron Mobility on SiO ₂ /Si : 4000 cm ² /Vs Sheet Resistance : 580±50 Ohms/sq (1cm x 1cm) Grain size : Up to 10 m PET Substrate Thickness : 175 μm				1 unit	80919
GR 185	Monolayer Graphene on PET (25mm x 25mm) Graphene film Growth Method : CVD synthesis Appearance (Color) : Transparent Transparency > 97% Appearance (Form) : Film Coverage > 95% Number of graphene layers : 1 Thickness (theoretical) 0.345 nm Grain size : Up to 10 m Substrate PET Thickness : 175 μm				1 unit	96003
GR 190	Monolayer Graphene on PET (4" Wafer) Graphene Film Transparency : > 97% Coverage : > 95% Thickness (theoretical) : 0.345 nm FET Electron Mobility on Al ₂ O ₃ : 2000 cm ² /Vs Hall Electron Mobility on SiO ₂ /Si : 4000 cm ² /Vs Sheet Resistance: 580±50 Ohms/sq (1cm x 1cm) Grain size: Up to 10 m PET Substrate Thickness: 175 m				1 unit	230949
GR 195	Monolayer Graphene on Quartz (4" Wafer) Graphene Film Transparency: > 97% Coverage: > 95% Thickness (theoretical): 0.345 nm FET Electron Mobility on Al ₂ O ₃ : 2000 cm ² /Vs Hall Electron Mobility on SiO ₂ /Si: 4000 cm ² /Vs Sheet Resistance: 370±10 Ohms/sq (cm x 1cm) Grain size: Up to 10 m Quartz Substrate Thickness: 500 μm Flatness; Bow: 20 μm, Warp: 30 μm Roughness: 6Å (on the polished side) Polished: Double side				1 unit	240939
GR 200	Monolayer Graphene on Quartz (10 mm x 10 mm) - Pack 4 units Graphene Film Transparency: > 97% Coverage: > 95% Thickness (theoretical): 0.345 nm FET Electron Mobility on Al ₂ O ₃ : 2000 cm ² /Vs Hall Electron Mobility on SiO ₂ /Si: 4000 cm ² /Vs Sheet Resistance: 370±10 Ohms/sq (cm x 1cm) Grain size: Up to 10 m Quartz Substrate Thickness: 500 μm Flatness; Bow: 20 μm, Warp: 30 μm Roughness: 6Å (on the polished side) Polished: Double side				1 unit	79092

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CODE	PRODUCT NAME	CAS NO.	PACKING	PRICE (indian ₹)	PACKING	PRICE (Indian ₹)
GR 205	<p>Suspended Monolayer Graphene on TEM Grids (Quantifoil Gold) - Pack 4 units</p> <p>Graphene Film Growth method: CVD Synthesis Transfer method: Wet transfer process Size: 3mm (TEM grid diameter) Appearance (color): Transparent Transparency: > 97% Number of graphene layers: 1 Coverage: > 95% Thickness (theoretical): 0.345 nm FET mobility on Al₂O₃: 2800 cm²/Vs Hall mobility on SiO₂: 3500 cm²/Vs Grain size: Up to 10 m</p>				1 unit	77409

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