



LubriOne™ PC-30GF/15T Dark Grey

Polycarbonate

Key Characteristics

Product Description	
Glass Fiber Reinforced PC Compound with PTFE Lubricated	
General	
Material Status	• Commercial: Active
Regional Availability	• Asia Pacific
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight • PTFE Micropowder, 15% Filler by Weight
Features	• Lubricated
Appearance	• Dark Grey
Processing Method	• Injection Molding

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	1.52	1.52	ASTM D792
Molding Shrinkage	0.10 to 0.30 %	0.10 to 0.30 %	ISO 294-4
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength	14500 psi	100 MPa	ASTM D638
Flexural Modulus	1.09E+6 psi	7500 MPa	ASTM D790
Flexural Strength	23200 psi	160 MPa	ASTM D790
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Notched Izod Impact 73°F (23°C), 0.126 in (3.20 mm)	2.2 ft-lb/in	120 J/m	ASTM D256
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Deflection Temperature Under Load 264 psi (1.8 MPa), Unannealed, 0.126 in (3.20 mm)	284 °F	140 °C	ASTM D648
Electrical	Typical Value (English)	Typical Value (SI)	Test Method
Surface Resistivity	1.0E+15 ohms	1.0E+15 ohms	ASTM D257
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Flame Rating (0.13 in (3.2 mm))	HB	HB	Internal Method

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	248 to 266 °F	120 to 130 °C
Drying Time	3.0 to 4.0 hr	3.0 to 4.0 hr
Rear Temperature	554 to 590 °F	290 to 310 °C
Middle Temperature	554 to 590 °F	290 to 310 °C
Front Temperature	554 to 590 °F	290 to 310 °C
Mold Temperature	194 to 230 °F	90 to 110 °C

Injection Notes

Injection Pressure: MED-HIGH
Hold Pressure: MED-HIGH
Screw Speed: MODERATE
Back Pressure: LOW