

20% PTFE Fiber Filled POM Granules

Formula: POM H 20% PTFE

Nominal Granule Size: 3mm

Weight: 1000g

Type: Injection Moulding

Colour: Natural

UOM Code: 088-689-87

SKU: 1000012672-group

Product Code: OX35-GL-000100

Material Properties for Polymers

Chemical Resistance

Element	Value
Acids - concentrated	Poor
Acids - dilute	Poor-Fair
Alcohols	Good-Fair
Alkalis	Poor
Aromatic hydrocarbons	Good
Greases and Oils	Good
Halogenated Hydrocarbons	Good-Poor
Halogens	Poor
Ketones	Good-Fair

Physical Properties

Element	Value
Flammability	HB
Radiation resistance	Poor
Resistance to Ultra-violet	Poor
Water absorption - equilibrium(%)	0.2
Water absorption - over 24 hours(%)	1
Density(gcm ³)	1.53

Mechanical Properties

Element	Value
Elongation at break(%)	10
Tensile modulus(GPa)	2.8
Izod impact strength(J m ⁻¹)	3000
Tensile strength(MPa)	50

Thermal Properties

Element	Value
Heat-deflection temperature - 0.45MPa(C)	160
Heat-deflection temperature - 1.8MPa(C)	92
Coefficient of thermal expansion(x10 ⁻⁵ K ⁻¹)	100-110

Electrical Properties

Element	Value
Surface resistivity(Ohm/sq)	10 ¹¹