

ExxonMobil PP1222F Mineral-filled Homopolymer

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Mineral Reinforced

Material Notes:

Medium melt flow rate homopolymer, 20% filled. Particularly suitable for consumer products and appliance applications requiring long term heat aging resistance. UL continuous service rating of 95°C. Availability: North America Features: Detergent Resistant Filled Good Thermal Ageing Resistance High Heat Resistance High Stiffness Medium Flow Automotive Specifications: CHRYSLER MS-DB500 Processing Method: Extrusion and Injection Molding Information provided by ExxonMobil Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-PP1222F-Mineral-filled-Homopolymer.php

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in ³	ASTM D792
Melt Flow	5.0 g/10 min @Load 2.16 kg, Temperature 230 °C	5.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	36.8 MPa	5340 psi	2 in/min; ASTM D638
Elongation at Yield	5.8 %	5.8 %	2 in/min; ASTM D638
Flexural Modulus	0.239 GPa	34.7 ksi	1% secant, 0.05 in/min.; ASTM D790A
Izod Impact, Notched	0.214 J/cm	0.400 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	123 °C	253 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	66.0 °C	151 °F	ASTM D648

Processing Properties	Metric	English	Comments
Processing Temperature	215 - 260 °C	419 - 500 °F	

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