

Axiall MP-6585 Rigid PVC, Molding

Category : Polymer , Thermoplastic , Vinyl (PVC)

Material Notes:

Georgia Gulf MP-6585 is an electrical grade rigid vinyl injection molding compound processing good strength, stiffness, toughness, and flow. In addition, it has excellent processing stability and surface appearance. It carries a 94 V-0 flammability rating. Information provided by Georgia Gulf Georgia Gulf became Axiall Corporation in 2013.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Axiall-MP-6585-Rigid-PVC-Molding.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.32 - 1.38 g/cc	1.32 - 1.38 g/cc	ASTM D-792
Linear Mold Shrinkage	0.0030 - 0.0040 cm/cm	0.0030 - 0.0040 in/in	ASTM D-955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	100	100	ASTM D-785
Tensile Strength, Yield	41.4 MPa	6000 psi	ASTM D-638
Tensile Modulus	2.48 GPa	360 ksi	ASTM D-638
Flexural Strength	75.8 MPa	11000 psi	ASTM D-790
Flexural Modulus	2.62 GPa	380 ksi	ASTM D-790
Izod Impact, Notched	0.534 J/cm @Thickness 3.17 mm, Temperature -20.0 °C	1.00 ft-lb/in @Thickness 0.125 in, Temperature -4.00 °F	ASTM D-256
	5.34 J/cm @Thickness 3.17 mm, Temperature 23.0 °C	10.0 ft-lb/in @Thickness 0.125 in, Temperature 73.4 °F	ASTM D-256
Gardner Impact	36.2 J @Temperature 23.0 °C	26.7 ft-lb @Temperature 73.4 °F	1/2" R Tup, 123 mil

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	75.0 °C	167 °F	ASTM D-648
Deflection Temperature at 1.8 MPa (264 psi)	70.0 °C	158 °F	ASTM D-648
Flammability, UL94	V-0	V-0	
Oxygen Index	36 %	36 %	ASTM D-2863

Thermal Properties	Metric	English	Value	Comments
Descriptive Properties			Value	Comments
Flow Ratio (Distance/Wall Thickness, 390-400°F)			180	Georgia Gulf Test

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