

Axiall UV-6685 Rigid PVC, Molding

Category : Polymer , Thermoplastic , Vinyl (PVC)

Material Notes:

Georgia Gulf UV 6685 is a high flow PVC compound designed for thin wall parts and multi-cavity molds. It is ideally suited for a variety of parts requiring resistance to outdoor UV degradation. 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-UV-6685-Rigid-PVC-Molding.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.33 g/cc	1.33 g/cc	ASTM D-792
Linear Mold Shrinkage	0.0030 - 0.0050 cm/cm	0.0030 - 0.0050 in/in	ASTM D-955

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	75	75	ASTM D-2240
Tensile Strength, Yield	37.9 MPa	5500 psi	ASTM D-638
Tensile Modulus	2.28 GPa	330 ksi	ASTM D-638
Flexural Strength	53.8 MPa	7800 psi	ASTM D-790
Flexural Modulus	2.14 GPa	310 ksi	ASTM D-790
Izod Impact, Notched	0.694 J/cm	1.30 ft-lb/in	ASTM D-256
	@Thickness 3.17 mm, Temperature 0.000 °C	@Thickness 0.125 in, Temperature 32.0 °F	
	4.54 J/cm	8.50 ft-lb/in	ASTM D-256
	@Thickness 3.17 mm, Temperature 23.0 °C	@Thickness 0.125 in, Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	68.00 °C	154.4 °F	ASTM D-648
Deflection Temperature at 1.8 MPa (264 psi)	65.0 °C	149 °F	ASTM D-648

Descriptive Properties	Value	Comments
Flow Ratio (Distance/Wall Thickness, 390-400°F)	240	Georgia Gulf Test

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