

Axiall HF-6597 Rigid PVC, Molding

Category : Polymer , Thermoplastic , Vinyl (PVC)

Material Notes:

Georgia Gulf HF-6597 is a high flow PVC compound designed for thin wall parts and multi-cavity molds. It is ideally suited for a variety of electrical and appliance applications. 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-HF-6597-Rigid-PVC-Molding.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.34 g/cc	1.34 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	97	97	ASTM D-785
Tensile Strength at Break	36.42 MPa	5282 psi	ASTM D-638
Tensile Strength, Yield	41.4 MPa	6000 psi	ASTM D-638
Elongation at Break	139.2 %	139.2 %	ASTM D-638
Tensile Modulus	2.69 GPa	390 ksi	ASTM D-638
Flexural Strength	67.6 MPa	9800 psi	ASTM D-790
Flexural Modulus	2.48 GPa	360 ksi	ASTM D-790
Izod Impact, Notched	0.801 J/cm	1.50 ft-lb/in	ASTM D-256
	@Thickness 3.17 mm, Temperature -20.0 °C	@Thickness 0.125 in, Temperature -4.00 °F	
	8.01 J/cm	15.0 ft-lb/in	ASTM D-256
	@Thickness 3.17 mm, Temperature 23.0 °C	@Thickness 0.125 in, Temperature 73.4 °F	
Gardner Impact	14.7 J	10.8 ft-lb	1/2" R Tup, 65 mil
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	72.00 °C	161.6 °F	ASTM D-648
Deflection Temperature at 1.8 MPa (264 psi)	70.0 °C	158 °F	ASTM D-648

Thermal Properties	90.0 °C Metric	194 °F English	Comments
	@Thickness 1.50 mm	@Thickness 0.0591 in	
UL RTI, Mechanical with Impact	85.0 °C @Thickness 1.50 mm	185 °F @Thickness 0.0591 in	UL-746B
UL RTI, Mechanical without Impact	90.0 °C @Thickness 1.50 mm	194 °F @Thickness 0.0591 in	UL-746B
Flammability, UL94	5VA	5VA	
Oxygen Index	36 %	36 %	ASTM D-2863

Descriptive Properties	Value	Comments
Flow Ratio (Distance/Wall Thickness, 390-400°F)	230	Georgia Gulf Test
UL Weatherability Rating	F(1)	UL-746C

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China