

Axiall CL-7053 Rigid PVC, Molding

Category : Polymer , Thermoplastic , Vinyl (PVC)

Material Notes:

Georgia Gulf CL-7053 is a clear, high flow vinyl compound designed for a variety of end-use molding 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-CL-7053-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 - 0.0040 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, Yield	46.9 MPa	6800 psi	ASTM D-638
Tensile Modulus	2.62 GPa	380 ksi	ASTM D-638
Flexural Strength	75.8 MPa	11000 psi	ASTM D-790
Flexural Modulus	2.76 GPa	400 ksi	ASTM D-790
Izod Impact, Notched	0.267 J/cm	0.500 ft-lb/in	ASTM D-256
	@Thickness 6.35 mm, Temperature -20.0 °C	@Thickness 0.250 in, Temperature -4.00 °F	
	0.534 J/cm	1.00 ft-lb/in	ASTM D-256
	@Thickness 6.35 mm, Temperature 23.0 °C	@Thickness 0.250 in, Temperature 73.4 °F	
Gardner Impact	21.7 J	16.0 ft-lb	1/2" R Tup, 62 mil
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	70.0 °C	158 °F	ASTM D-648
Deflection Temperature at 1.8 MPa (264 psi)	68.00 °C	154.4 °F	ASTM D-648
Flammability, UL94	V-0	V-0	
Oxygen Index	34 %	34 %	ASTM D-2863

Descriptive Properties	Value	Comments
Flow Ratio (Distance/Wall Thickness, 390°F)	200	Georgia Gulf Test

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