

Axiall CL-6380, CL-6380J Rigid PVC, Molding

Category : Polymer , Thermoplastic , Vinyl (PVC)

Material Notes:

Georgia Gulf CL-6380 & CL-6380J are clear fittings compounds with cell class 12454(Type 1, Grade 1). These compounds are ideally suited for swimming pools, spas, and numerous applications where visual monitoring of the process is needed. CL-6380J is UV stabilized. 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-6380-CL-6380J-Rigid-PVC-Molding.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.34 - 1.40 g/cc	1.34 - 1.40 g/cc	ASTM D-792
Linear Mold Shrinkage	0.0020 - 0.0040 cm/cm	0.0020 - 0.0040 in/in	ASTM D-955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	105	105	ASTM D-785
Tensile Strength, Yield	49.6 MPa	7200 psi	ASTM D-638
Tensile Modulus	2.76 GPa	400 ksi	ASTM D-638
Flexural Strength	89.6 MPa	13000 psi	ASTM D-790
Flexural Modulus	2.96 GPa	430 ksi	ASTM D-790
Izod Impact, Notched	0.374 J/cm	0.700 ft-lb/in	ASTM D-256
	@Thickness 3.17 mm, Temperature -20.0 °C	@Thickness 0.125 in, Temperature -4.00 °F	
	0.534 J/cm	1.00 ft-lb/in	ASTM D-256
	@Thickness 3.17 mm, Temperature 23.0 °C	@Thickness 0.125 in, Temperature 73.4 °F	
Gardner Impact	36.2 J	26.7 ft-lb	1/2" R Tup, 128 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
Flammability, UL94	V-0	V-0	
Oxygen Index	35 %	35 %	ASTM D-2863

Thermal Properties	Metric	English	Value	Comments
Descriptive Properties			Value	Comments
Cell Classification, ASTM D-1784			12454	NSF std. 14/61, 50
Flow Ratio (Distance/Wall Thickness, 390-400°F)			150	Georgia Gulf Test

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