

Axiall 8302 Rigid PVC, Extrusion & Molding

Category : Polymer , Thermoplastic , Vinyl (PVC)

Material Notes:

Georgia Gulf 8302 is a clear rigid PVC pellet compound suited for applications where transparency is important in a high sunlight environment. It can be used for exterior transparent profiles such as transparent panels, glazing and protected jalousie windows. It is also suitable for high impact vacuum formed sheet applications, as well as the clear edge on decorator vertical blinds. 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-8302-Rigid-PVC-Extrusion-Molding.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.33 g/cc	1.33 g/cc	ASTM D-792

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	110	110	ASTM D-785
Hardness, Shore D	80	80	ASTM D-2240
Tensile Strength, Yield	41.4 MPa	6000 psi	ASTM D-638
Tensile Modulus	2.21 GPa	320 ksi	ASTM D-638
Flexural Strength	84.1 MPa	12200 psi	ASTM D-790
Flexural Modulus	2.55 GPa	370 ksi	ASTM D-790
Izod Impact, Notched	6.67 J/cm @Thickness 3.17 mm, Temperature 23.0 °C	12.5 ft-lb/in @Thickness 0.125 in, Temperature 73.4 °F	ASTM D-256
Tensile Impact Strength	210 kJ/m ²	100 ft-lb/in ²	ASTM D-1822

Thermal Properties	Metric	English	Comments
CTE, linear	68.4 µm/m-°C @Temperature 20.0 °C	38.0 µin/in-°F @Temperature 68.0 °F	ASTM D-696
Deflection Temperature at 1.8 MPa (264 psi)	62.2 °C	144 °F	ASTM D-648
Flammability, UL94	V-0	V-0	At 0.040 inch(min. thickness)

Optical Properties	Metric	English	Comments
Haze	10 %	10 %	pressed plaque; ASTM D-1003-61

Optical Properties	@Thickness 3.17 mm Metric	@Thickness 0.125 in English	Comments
Transmission, Visible	87 %	87 %	pressed plaque; ASTM D-1003-61
	@Thickness 3.17 mm	@Thickness 0.125 in	

Processing Properties	Metric	English	Comments
Melt Temperature	185 °C	365 °F	

Descriptive Properties	Value	Comments
Cell Classification	14442113	ASTM D-4216

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