

Axiall 3014 Rigid PVC, Extrusion

Category : Polymer , Thermoplastic , Vinyl (PVC)

Material Notes:

Georgia Gulf 3014 is a base for use of wood flour up to 40 percent. Impact Strength & Toughness Flame Retardant Chemical Resistance Dimensional Stability 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-3014-Rigid-PVC-Extrusion.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.38 g/cc	1.38 g/cc	ASTM D-792

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	78	78	ASTM D-2240
Tensile Strength, Yield	48.3 MPa	7000 psi	ASTM D-638
Tensile Modulus	2.62 GPa	380 ksi	ASTM D-638
Flexural Strength	82.7 MPa	12000 psi	ASTM D-790
Flexural Modulus	3.10 GPa	450 ksi	ASTM D-790
Izod Impact, Notched	0.641 J/cm @Thickness 3.17 mm, Temperature 23.0 °C	1.20 ft-lb/in @Thickness 0.125 in, Temperature 73.4 °F	ASTM D-256

Thermal Properties	Metric	English	Comments
CTE, linear	122 µm/m-°C @Temperature 20.0 °C	68.0 µin/in-°F @Temperature 68.0 °F	ASTM D-696
Deflection Temperature at 1.8 MPa (264 psi)	65.6 °C	150 °F	ASTM D-648

Processing Properties	Metric	English	Comments
Processing Temperature	163 - 168 °C	325 - 335 °F	
Die Temperature	168 - 182 °C	335 - 360 °F	
Melt Temperature	185 - 193 °C	365 - 380 °F	

Descriptive Properties	Value	Comments
Cell Classification	1200433	ASTM D-4216

Descriptive Properties	12444 Value	ASTM D-1784 Comments
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