

Axiall 7450 Rigid PVC, Extrusion

Category : Polymer , Thermoplastic , Vinyl (PVC)

Material Notes:

Georgia Gulf 7450 is a special purpose rigid PVC extrusion compound designed for applications requiring the following properties: Excellent ToughnessSatin Surface AppearanceColorabilityChemical ResistanceEase of Processing-Low Die SwellInformation provided by Georgia GulfGeorgia Gulf became Axiall Corporation in 2013.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Axiall-7450-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, Rockwell R	106	106	ASTM D-785
Hardness, Shore D	75	75	ASTM D-2240
Tensile Strength, Yield	42.7 MPa	6200 psi	ASTM D-638
Tensile Modulus	2.45 GPa	355 ksi	ASTM D-638
Flexural Strength	81.4 MPa	11800 psi	ASTM D-790
Flexural Modulus	2.48 GPa	360 ksi	ASTM D-790
Izod Impact, Notched	4.27 J/cm	8.00 ft-lb/in	ASTM D-256
	@Thickness 6.35 mm	@Thickness 0.250 in	
	9.61 J/cm	18.0 ft-lb/in	ASTM D-256
	@Thickness 3.17 mm	@Thickness 0.125 in	
Tensile Impact Strength	168 kJ/m ²	80.0 ft-lb/in ²	ASTM D-1822
Dart Drop Total Energy	133 J/cm	0.250 ft-lb/mil	H.25 Tup, Method A; ASTM D-4226

Thermal Properties	Metric	English	Comments
CTE, linear	64.8 µm/m-°C	36.0 µin/in-°F	ASTM D-696
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Deflection Temperature at 1.8 MPa (264 psi)	67.8 °C	154 °F	ASTM D-648
Flammability, UL94	V-0	V-0	

Processing Properties	Metric	English	Comments
Melt Temperature	182 °C	360 °F	

Descriptive Properties	Value	Comments
Cell Classification	14423223	ASTM D-4216

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