

Axiall 7456 Rigid PVC, Extrusion

Category : Polymer , Thermoplastic , Vinyl (PVC)

Material Notes:

Georgia Gulf 7456 is a special purpose rigid PVC extrusion compound designed for applications requiring the following properties:

Toughness Weatherability Weldability Chemical Resistance Ease of Processing UL Rating 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-7456-Rigid-PVC-Extrusion.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.41 g/cc	1.41 g/cc	ASTM D-792

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	112	112	ASTM D-785
Hardness, Shore D	78	78	ASTM D-2240
Tensile Strength, Yield	44.8 MPa	6500 psi	ASTM D-638
Tensile Modulus	2.81 GPa	408 ksi	ASTM D-638
Flexural Strength	75.8 MPa	11000 psi	ASTM D-790
Flexural Modulus	2.45 GPa	356 ksi	ASTM D-790
Izod Impact, Notched	2.67 J/cm	5.00 ft-lb/in	ASTM D-256
	@Thickness 6.35 mm, Temperature 23.0 °C	@Thickness 0.250 in, Temperature 73.4 °F	
Tensile Impact Strength	13.9 J/cm	26.0 ft-lb/in	ASTM D-256
	@Thickness 3.17 mm, Temperature 23.0 °C	@Thickness 0.125 in, Temperature 73.4 °F	
Dart Drop Total Energy	178 J/cm	0.333 ft-lb/mil	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	Tested in Georgia Gulf labs

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

Descriptive Properties	Value	Comments
Cell Classification	1-434-33-00	ASTM D-4216

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