

Axiall 7055 Rigid PVC, Extrusion, White

Category : Polymer , Thermoplastic , Vinyl (PVC)

Material Notes:

Georgia Gulf 7055 White is a special purpose rigid PVC extrusion compound designed for window and door applications. The compound exhibits the following characteristics: WeatherabilityChemical ResistantDurabilityEase of ProcessingToughnessInformation provided by Georgia GulfGeorgia Gulf became Axiall Corporation in 2013.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Axiall-7055-Rigid-PVC-Extrusion-White.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.43 g/cc	1.43 g/cc	ASTM D-792

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	106	106	ASTM D-785
Hardness, Shore D	80	80	ASTM D-2240
Tensile Strength, Yield	49.62 MPa	7197 psi	ASTM D-638
Tensile Modulus	2.73 GPa	396 ksi	ASTM D-638
Flexural Strength	75.8 MPa	11000 psi	ASTM D-790
Flexural Modulus	2.73 GPa	396 ksi	ASTM D-790
Izod Impact, Notched	7.85 J/cm	14.7 ft-lb/in	Method A; ASTM D-256
Tensile Impact Strength	168 kJ/m ²	80.0 ft-lb/in ²	ASTM D-1822
Dart Drop Total Energy	>= 103 J/cm	>= 0.192 ft-lb/mil	Procedure A; ASTM D-4226
	>= 103 J/cm	>= 0.192 ft-lb/mil	Procedure B; ASTM D-4226

Thermal Properties	Metric	English	Comments
CTE, linear	4.86 $\mu\text{m}/\text{m}\cdot\text{°C}$	2.70 $\mu\text{in}/\text{in}\cdot\text{°F}$	ASTM D-696
	@Temperature -30.0 - 30.0 °C	@Temperature -22.0 - 86.0 °F	
Deflection Temperature at 1.8 MPa (264 psi)	88.2 $\mu\text{m}/\text{m}\cdot\text{°C}$	49.0 $\mu\text{in}/\text{in}\cdot\text{°F}$	ASTM D-696
	@Temperature 20.0 °C	@Temperature 68.0 °F	
	66.78 °C	152.2 °F	ASTM D-648

Descriptive Properties	Value	Comments
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Descriptive Properties

Value **53-22**

Comments **16**

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