

Axiall 6511 Rigid PVC, Molding

Category : Polymer , Thermoplastic , Vinyl (PVC)

Material Notes:

Georgia Gulf 6511 is a special purpose rigid PVC compound designed for applications requiring the following properties: GlossImpact Strength & ToughnessFlame RetardantChemical ResistantThermoformabilityExtrudability in Profile and SheetMoldability in Fence CapsInformation provided by Georgia GulfGeorgia Gulf became Axiall Corporation in 2013.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Axiall-6511-Rigid-PVC-Molding.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, Shore D	82	82	ASTM D-2240
Tensile Strength, Yield	48.3 MPa	7000 psi	ASTM D-638
Tensile Modulus	2.76 GPa	400 ksi	ASTM D-638
Flexural Strength	75.8 MPa	11000 psi	ASTM D-790
Flexural Modulus	2.59 GPa	375 ksi	ASTM D-790
Izod Impact, Notched	7.47 J/cm	14.0 ft-lb/in	ASTM D-256

Thermal Properties	Metric	English	Comments
CTE, linear	72.0 $\mu\text{m/m-}^{\circ}\text{C}$	40.0 $\mu\text{in/in-}^{\circ}\text{F}$	ASTM D-696
	@Temperature 20.0 $^{\circ}\text{C}$	@Temperature 68.0 $^{\circ}\text{F}$	
Deflection Temperature at 1.8 MPa (264 psi)	70.6 $^{\circ}\text{C}$	159 $^{\circ}\text{F}$	annealed; ASTM D-648

Descriptive Properties	Value	Comments
Cell Classification	14434323	ASTM D-4216
Flow Ratio (Distance/Wall Thickness, 390-400°F)	160	Internal

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