

Axiall 9113 Rigid PVC, Molding

Category : Polymer , Thermoplastic , Vinyl (PVC)

Material Notes:

Georgia Gulf 9113 is used for a variety of packages including charcoal lighter fluid, toiletries and household chemicals. It has excellent impact strength. 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-9113-Rigid-PVC-Molding.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.31 g/cc	1.31 g/cc	ASTM D-792

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	41.4 MPa	6000 psi	ASTM D-638
Tensile Modulus	2.52 GPa	365 ksi	ASTM D-638
Flexural Strength	75.8 MPa	11000 psi	ASTM D-790
Izod Impact, Notched	5.34 J/cm	10.0 ft-lb/in	ASTM D-256
	@Thickness 6.35 mm	@Thickness 0.250 in	
Tensile Impact Strength	11.7 J/cm	22.0 ft-lb/in	ASTM D-256
	@Thickness 3.17 mm	@Thickness 0.125 in	
Tensile Impact Strength	185 kJ/m ²	88.0 ft-lb/in ²	ASTM D-1822

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	64.00 °C	147.2 °F	ASTM D-648

Optical Properties	Metric	English	Comments
Haze	6.0 %	6.0 %	pressed plaque; ASTM D-1003-61
	@Thickness 3.17 mm	@Thickness 0.125 in	
Transmission, Visible	77 %	77 %	pressed plaque; ASTM D-1003-61
	@Thickness 3.17 mm	@Thickness 0.125 in	

Descriptive Properties	Value	Comments
Equilibrium Torque, meter-grams	1400	Brabender Plastograph, No. 6 Roller Head, 190°C Bath, 57-g. Charge; 60/43 rpm
Stability Time, minutes	30	

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