

Axiall 9190 Rigid PVC, Molding

Category : Polymer , Thermoplastic , Vinyl (PVC)

Material Notes:

Georgia Gulf 9190 was developed to aid compliance with source reduction initiatives especially when low temperature impact strength is a concern. It has superior properties, which in most cases will facilitate light weighting of the package. This product is used for a variety of opaque packaging applications including toiletries, household chemicals, automotive care products and charcoal lighter fluid. 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-9190-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	44.02 MPa	6385 psi	ASTM D-638
Tensile Modulus	2.99 GPa	434 ksi	ASTM D-638
Flexural Strength	73.43 MPa	10650 psi	ASTM D-790
Izod Impact, Notched	6.83 J/cm	12.8 ft-lb/in	ASTM D-256
	@Thickness 6.35 mm, Temperature 0.000 °C	@Thickness 0.250 in, Temperature 32.0 °F	
	8.60 J/cm	16.1 ft-lb/in	ASTM D-256
	@Thickness 6.35 mm, Temperature 23.0 °C	@Thickness 0.250 in, Temperature 73.4 °F	
	10.9 J/cm	20.5 ft-lb/in	ASTM D-256
	@Thickness 3.17 mm, Temperature 0.000 °C	@Thickness 0.125 in, Temperature 32.0 °F	
	13.4 J/cm	25.1 ft-lb/in	ASTM D-256
	@Thickness 3.17 mm, Temperature 23.0 °C	@Thickness 0.125 in, Temperature 73.4 °F	
Tensile Impact Strength	229 kJ/m ²	109 ft-lb/in ²	ASTM D-1822

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	61.22 °C	142.2 °F	ASTM D-648

Descriptive Properties	Value	Comments
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Equilibrium Torque, meter-grams Descriptive Properties	1305 Value	Brabender Plastograph, No. 6 Roller Head, 190°C Bath, 57-g. Charge; 60/43 rpm Comments
Stability Time, minutes	31.5	

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