

## Axiall 6509 Rigid PVC, Molding

Category : Polymer , Thermoplastic , Vinyl (PVC)

### Material Notes:

Georgia Gulf 6509 is a non-regulated, high flow, injection molding compound that has been specifically designed for outdoor applications that require an added degree of static resistance. 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-6509-Rigid-PVC-Molding.php](http://www.lookpolymers.com/polymer_Axiall-6509-Rigid-PVC-Molding.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.40 g/cc	1.40 g/cc	ASTM D-792
Linear Mold Shrinkage	0.0030 - 0.0040 cm/cm	0.0030 - 0.0040 in/in	ASTM D-955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	90	90	ASTM D-785
Tensile Strength, Yield	41.4 MPa	6000 psi	ASTM D-638
Tensile Modulus	2.41 GPa	350 ksi	ASTM D-638
Flexural Strength	75.8 MPa	11000 psi	ASTM D-790
Flexural Modulus	2.76 GPa	400 ksi	ASTM D-790
Izod Impact, Notched	0.534 J/cm	1.00 ft-lb/in	ASTM D-256
	@Thickness 3.17 mm, Temperature -20.0 °C	@Thickness 0.125 in, Temperature -4.00 °F	
Gardner Impact	7.47 J/cm	14.0 ft-lb/in	ASTM D-256
	@Thickness 3.17 mm, Temperature 23.0 °C	@Thickness 0.125 in, Temperature 73.4 °F	
Gardner Impact	25.3 J	18.7 ft-lb	1/2" R Tup, 62 mil
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	74.00 °C	165.2 °F	ASTM D-648
Deflection Temperature at 1.8 MPa (264 psi)	70.0 °C	158 °F	ASTM D-648
Flammability, UL94	V-0	V-0	
Oxygen Index	36 %	36 %	ASTM D-2863

Descriptive Properties	Value	Comments
Flow Ratio (Distance/Wall Thickness, 390-400°F)	215	Internal

## Contact Songhan Plastic Technology Co.,Ltd.

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