

Axiall 6316 Rigid PVC, Molding

Category : Polymer , Thermoplastic , Vinyl (PVC)

Material Notes:

Georgia Gulf 6316 is an economical high flow rigid PVC fittings compound designed for drain, waste and vent applications, where higher impact properties are desired. This compound is characterized by excellent processability, which includes color hold, regrind stability, and surface appearance. 6316 is NSF listed under Standard 14, ASTM D-4396 for DWV applications. 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-6316-Rigid-PVC-Molding.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.36 g/cc	1.36 g/cc	ASTM D-792
Linear Mold Shrinkage	0.0020 - 0.0040 cm/cm	0.0020 - 0.0040 in/in	ASTM D-955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	110	110	ASTM D-785
Tensile Strength, Yield	47.4 MPa	6880 psi	ASTM D-638
Tensile Modulus	3.10 GPa	450 ksi	ASTM D-638
Flexural Strength	82.7 MPa	12000 psi	ASTM D-790
Flexural Modulus	3.03 GPa	440 ksi	ASTM D-790
Izod Impact, Notched	0.961 J/cm @Thickness 3.17 mm, Temperature 23.0 °C	1.80 ft-lb/in @Thickness 0.125 in, Temperature 73.4 °F	ASTM D-256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	70.0 °C	158 °F	ASTM D-648
Oxygen Index	36 %	36 %	ASTM D-2863

Descriptive Properties	Value	Comments
Flow Ratio (Distance/Wall Thickness, 390-400°F)	190	Georgia Gulf Test

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