Axiall Tuf-Stif 2802 Rigid PVC, Extrusion

Category : Polymer , Thermoplastic , Vinyl (PVC)

Material Notes:

Georgia Gulf Tuf-Stif 2802 is a special purpose rigid PVC profile extrusion compound designed for applications requiring the following properties: Improved toughness as compared to Tuf-StiffRigidity/StiffnessDimensional StabilityDurabilityColorabilityFlame retardantChemical ResistanceInformation provided by Georgia GulfGeorgia Gulf became Axiall Corporation in 2013.

Order this product through the following link:
http://www.lookpolymers.com/polymer_Axiall-Tuf-Stif-2802-Rigid-PVC-Extrusion.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.51 g/cc	1.51 g/cc	ASTM D-792

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	104	104	ASTM D-785
Hardness, Shore D	80	80	ASTM D-2240
Tensile Strength, Yield	44.8 MPa	6500 psi	ASTM D-638
Tensile Modulus	4.83 GPa	700 ksi	ASTM D-638
Flexural Strength	83.4 MPa	12100 psi	ASTM D-790
Flexural Modulus	4.83 GPa	700 ksi	ASTM D-790
Gardner Impact	0.285 J	0.210 ft-lb	per mil; ASTM D-4226

Thermal Properties	Metric	English	Comments
CTE, linear	37.8 µm/m-°C @Temperature 20.0 °C	21.0 µin/in-°F @Temperature 68.0 °F	ASTM D-696
Deflection Temperature at 1.8 MPa (264 psi)	73.9 °C	165 °F	ASTM D-648
Flammability, UL94	V-0	V-0	At 0.125 inch

Processing Properties	Metric	English	Comments
Zone 1	149 °C	300 °F	
Zone 2	154 °C	310 °F	
Zone 3	160 °C	320 °F	
Zone 4	166 °C	330 °F	

Processing Properties	Metric	English	Comments
Zone 5	171 °C	340 °F	
Die Temperature	179 °C	355 °F	

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