

Axiall Tuf-Stif 2804 Rigid PVC, Extrusion

Category : Polymer , Thermoplastic , Vinyl (PVC)

Material Notes:

Georgia Gulf Tuf-Stif 2804 is a special purpose rigid PVC profile extrusion compound designed for applications requiring the following properties: Improved toughness as compared to Tuf-Stiff Rigid PVC, Extrusion Compound. Dimensional Stability, Durability, Colorability, Flame retardant, Chemical 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-Tuf-Stif-2804-Rigid-PVC-Extrusion.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.55 - 1.65 g/cc	1.55 - 1.65 g/cc	Natural; 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	46.2 MPa	6700 psi	ASTM D-638
Tensile Modulus	4.14 GPa	600 ksi	ASTM D-638
Flexural Strength	86.2 MPa	12500 psi	ASTM D-790
Flexural Modulus	4.65 GPa	675 ksi	ASTM D-790
Izod Impact, Notched	0.534 J/cm @Temperature 23.0 °C	1.00 ft-lb/in @Temperature 73.4 °F	ASTM D-256

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)	71.1 °C	160 °F	ASTM D-648
Flammability, UL94	V-0	V-0	At 0.125 inch(pending)

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 Processing Properties	166 °C Metric	330 °F English	Comments
Zone 5	171 °C	340 °F	
Die Temperature	179 °C	355 °F	
Melt Temperature	188 - 199 °C	370 - 390 °F	

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