

Axiall 3803 Vinyl Foam, Extrusion

Category : Polymer , Thermoplastic , Vinyl (PVC)

Material Notes:

Georgia Gulf 3801, 3802, and 3803 are vinyl foam compounds designed for applications requiring lower density than standard rigid vinyls. 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-3803-Vinyl-Foam-Extrusion.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.500 - 0.600 g/cc	0.500 - 0.600 g/cc	ASTM D-792

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	57.8	57.8	ASTM D-2240
Tensile Strength, Yield	13.2 MPa	1910 psi	ASTM D-638
Tensile Modulus	1.81 GPa	262 ksi	ASTM D-638
Flexural Strength	24.5 MPa	3550 psi	ASTM D-790
Flexural Modulus	1.03 GPa	149 ksi	ASTM D-790
Izod Impact, Notched	0.267 J/cm @Thickness 3.17 mm	0.500 ft-lb/in @Thickness 0.125 in	ASTM D-256
Tensile Impact Strength	12.8 kJ/m²	6.10 ft-lb/in²	ASTM D-1822

Thermal Properties	Metric	English	Comments
CTE, linear	104 µm/m-°C @Temperature 20.0 °C	58.0 µin/in-°F @Temperature 68.0 °F	ASTM D-696
Deflection Temperature at 1.8 MPa (264 psi)	60.0 °C	140 °F	ASTM D-648

Processing Properties	Metric	English	Comments
Zone 1	166 °C	330 °F	
Zone 2	166 °C	330 °F	
Zone 3	177 °C	350 °F	
Zone 4	182 °C	360 °F	
Die Temperature	185 °C	365 °F	

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