

Axiall HHP-190 Rigid PVC, Extrusion

Category : Polymer , Thermoplastic , Vinyl (PVC)

Material Notes:

Georgia Gulf HHP-190 is a special purpose profile extrusion alloy designed for applications requiring the following properties: Heat Resistance & Thermal Stability Impact Strength & Toughness Dimensional Stability Colorability UV Color Stability 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-HHP-190-Rigid-PVC-Extrusion.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.27 g/cc	1.27 g/cc	ASTM D-792

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	110	110	ASTM D-785
Hardness, Shore D	80	80	ASTM D-2240
Tensile Strength, Yield	46.2 MPa	6700 psi	ASTM D-638
Tensile Modulus	2.41 GPa	350 ksi	ASTM D-638
Flexural Strength	76.5 MPa	11100 psi	ASTM D-790
Flexural Modulus	2.41 GPa	350 ksi	ASTM D-790
Izod Impact, Notched	5.34 J/cm @Thickness 3.17 mm	10.0 ft-lb/in @Thickness 0.125 in	ASTM D-256
Gardner Impact	0.339 J	0.250 ft-lb	per mil; ASTM D-4226
Tensile Impact Strength	96.6 kJ/m ²	46.0 ft-lb/in ²	ASTM D-1822

Thermal Properties	Metric	English	Comments
CTE, linear	73.8 μm/m-°C @Temperature 20.0 °C	41.0 μin/in-°F @Temperature 68.0 °F	ASTM D-696
Deflection Temperature at 0.46 MPa (66 psi)	96.1 °C	205 °F	ASTM D-648
Deflection Temperature at 1.8 MPa (264 psi)	87.8 °C	190 °F	ASTM D-648
Flammability, UL94	V-1	V-1	At 0.065 inch

Processing Properties	Metric	English	Comments
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Processing Properties	Metric	English	Comments
Zone 2	154 °C	310 °F	
Zone 3	160 °C	320 °F	
Zone 4	166 °C	330 °F	
Zone 5	171 °C	340 °F	
Die Temperature	177 °C	350 °F	

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