

## Axiall HHW-191 Rigid PVC, Extrusion

Category : Polymer , Thermoplastic , Vinyl (PVC)

### Material Notes:

Georgia Gulf HHW-191 is a special purpose profile extrusion alloy designed for applications requiring the following properties: Excellent Weatherability Impact Strength & Toughness Colorability Chemical Resistance Heat Resistance and Thermal Stability Dimensional Stability in Dark Colors Flame Retardant 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-HHW-191-Rigid-PVC-Extrusion.php](http://www.lookpolymers.com/polymer_Axiall-HHW-191-Rigid-PVC-Extrusion.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.24 g/cc	1.24 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	75.8 MPa	11000 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, Temperature 23.0 °C	10.0 ft-lb/in @Thickness 0.125 in, Temperature 73.4 °F	ASTM D-256
Gardner Impact	0.339 J	0.250 ft-lb	per mil; ASTM D-4226
Tensile Impact Strength	94.5 kJ/m <sup>2</sup>	45.0 ft-lb/in <sup>2</sup>	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 1.8 MPa (264 psi)	88.3 °C	191 °F	ASTM D-648
Flammability, UL94	V-1	V-1	At 0.125 inch

Processing Properties	Metric	English	Comments
Zone 1	149 °C	300 °F	

Processing Properties	Metric	English	Comments
Zone 3	160 °C	320 °F	
Zone 4	166 °C	330 °F	
Zone 5	171 °C	340 °F	
Die Temperature	177 °C	350 °F	
Melt Temperature	188 - 199 °C	370 - 390 °F	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China