

## Axiall 3020 Rigid PVC, Extrusion

Category : Polymer , Thermoplastic , Vinyl (PVC)

### Material Notes:

Georgia Gulf 3020 is a base for use of wood flour up to 40 percent. Impact strength and toughness  
Flame retardant  
Chemical resistance  
Dimensional stability  
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-3020-Rigid-PVC-Extrusion.php](http://www.lookpolymers.com/polymer_Axiall-3020-Rigid-PVC-Extrusion.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.353 g/cc	1.353 g/cc	ASTM D-792

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	98.8	98.8	ASTM D-785
Hardness, Shore D	73.2	73.2	ASTM D-2240
Tensile Strength, Yield	39.6 MPa	5750 psi	ASTM D-638
Tensile Modulus	1.97 GPa	286 ksi	ASTM D-638
Flexural Strength	66.0 MPa	9570 psi	ASTM D-790
Flexural Modulus	2.17 GPa	315 ksi	ASTM D-790
Izod Impact, Notched	10.5 J/cm @Thickness 3.17 mm	19.7 ft-lb/in @Thickness 0.125 in	ASTM D-256

Thermal Properties	Metric	English	Comments
CTE, linear	77.4 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$ @Temperature 20.0 $^\circ\text{C}$	43.0 $\mu\text{in}/\text{in}\cdot^\circ\text{F}$ @Temperature 68.0 $^\circ\text{F}$	ASTM D-696
Deflection Temperature at 1.8 MPa (264 psi)	66.7 $^\circ\text{C}$	152 $^\circ\text{F}$	ASTM D-648
Flammability, UL94	V-0	V-0	

Processing Properties	Metric	English	Comments
Processing Temperature	163 - 168 $^\circ\text{C}$	325 - 335 $^\circ\text{F}$	
Die Temperature	168 - 182 $^\circ\text{C}$	335 - 360 $^\circ\text{F}$	
Melt Temperature	185 - 193 $^\circ\text{C}$	365 - 380 $^\circ\text{F}$	

Descriptive Properties	Value	Comments
Cell Classification	14002023	ASTM D-1784

## Contact Songhan Plastic Technology Co.,Ltd.

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