

## Axiall 3121 Rigid PVC, Extrusion

Category : Polymer , Thermoplastic , Vinyl (PVC)

### Material Notes:

Georgia Gulf 3121 is an exterior grade powder compound formulated for processing applications requiring high production output rate. Having excellent weatherability and impact strength, 3121 is suitable for such applications as windows, doors, decks and fencing. 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-3121-Rigid-PVC-Extrusion.php](http://www.lookpolymers.com/polymer_Axiall-3121-Rigid-PVC-Extrusion.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.50 g/cc	1.50 g/cc	ASTM D-792

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	111	111	ASTM D-785
Hardness, Shore D	82	82	ASTM D-2240
Tensile Strength, Yield	45.0 MPa	6530 psi	ASTM D-638
Elongation at Yield	4.2 %	4.2 %	ASTM D-638
Tensile Modulus	2.72 GPa	395 ksi	ASTM D-638
Flexural Strength	76.46 MPa	11090 psi	ASTM D-790
Flexural Modulus	2.54 GPa	368 ksi	ASTM D-790
Izod Impact, Notched	2.30 J/cm @Thickness 6.35 mm	4.30 ft-lb/in @Thickness 0.250 in	ASTM D-256
	11.2 J/cm @Thickness 3.17 mm	21.0 ft-lb/in @Thickness 0.125 in	ASTM D-256
Tensile Impact Strength	210 kJ/m <sup>2</sup>	100 ft-lb/in <sup>2</sup>	ASTM D-1822

Thermal Properties	Metric	English	Comments
CTE, linear	63.0 µm/m-°C @Temperature 20.0 °C	35.0 µin/in-°F @Temperature 68.0 °F	ASTM D-696
Deflection Temperature at 1.8 MPa (264 psi)	69.4 °C	157 °F	ASTM D-648

Descriptive Properties	Value	Comments
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Cell Classification Descriptive Properties	13343 Value	ASTM D-1784 Comments
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## Contact Songhan Plastic Technology Co.,Ltd.

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