

## Axiall 7045 Rigid PVC, Extrusion

Category : Polymer , Thermoplastic , Vinyl (PVC)

**Material Notes:**

Georgia Gulf 7045 is a special purpose rigid PVC profile extrusion compound designed for applications requiring the following properties:  
 Impact Strength & Toughness Flame Retardant Colorability Dimensional Stability Chemical Resistant Durability 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-7045-Rigid-PVC-Extrusion.php](http://www.lookpolymers.com/polymer_Axiall-7045-Rigid-PVC-Extrusion.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.38 g/cc	1.38 g/cc	Natural; ASTM D-792

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	108	108	ASTM D-785
Hardness, Shore D	79	79	ASTM D-2240
Tensile Strength, Yield	44.8 MPa	6500 psi	ASTM D-638
Tensile Modulus	2.76 GPa	400 ksi	ASTM D-638
Flexural Strength	86.2 MPa	12500 psi	ASTM D-790
Flexural Modulus	2.76 GPa	400 ksi	ASTM D-790
Izod Impact, Notched	10.7 J/cm @Thickness 3.17 mm	20.0 ft-lb/in @Thickness 0.125 in	ASTM D-256
Tensile Impact Strength	158 kJ/m <sup>2</sup>	75.0 ft-lb/in <sup>2</sup>	ASTM D-1822

Thermal Properties	Metric	English	Comments
CTE, linear	72.0 μm/m-°C @Temperature 20.0 °C	40.0 μin/in-°F @Temperature 68.0 °F	ASTM D-696
Deflection Temperature at 1.8 MPa (264 psi)	72.2 °C	162 °F	ASTM D-648
Flammability, UL94	V-0	V-0	At 0.025 inch

Descriptive Properties	Value	Comments
Cell Classification	14424333	ASTM D-4216

**Contact Songhan Plastic Technology Co.,Ltd.**

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