

## Axiall 7768 Rigid PVC, Extrusion

Category : Polymer , Thermoplastic , Vinyl (PVC)

**Material Notes:**

Georgia Gulf 7768 is a general purpose rigid PVC profile extrusion compound designed for applications requiring the following properties: Impact Strength & Toughness Flame Retardant Colorability Dimensional Stability Chemical Resistance UV Color 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-7768-Rigid-PVC-Extrusion.php](http://www.lookpolymers.com/polymer_Axiall-7768-Rigid-PVC-Extrusion.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.39 g/cc	1.39 g/cc	ASTM D-792

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	93	93	ASTM D-785
Hardness, Shore D	80	80	ASTM D-2240
Tensile Strength, Yield	46.7 MPa	6770 psi	ASTM D-638
Tensile Modulus	3.22 GPa	467 ksi	ASTM D-638
Flexural Strength	72.4 MPa	10500 psi	ASTM D-790
Flexural Modulus	2.49 GPa	361 ksi	ASTM D-790
Izod Impact, Notched	8.76 J/cm @Thickness 6.35 mm	16.4 ft-lb/in @Thickness 0.250 in	ASTM D-256
	12.4 J/cm @Thickness 3.17 mm	23.3 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	64.8 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$ @Temperature 20.0 $^\circ\text{C}$	36.0 $\mu\text{in}/\text{in}\cdot^\circ\text{F}$ @Temperature 68.0 $^\circ\text{F}$	ASTM D-696
Deflection Temperature at 1.8 MPa (264 psi)	61.1 $^\circ\text{C}$	142 $^\circ\text{F}$	unannealed; ASTM D-648
	65.6 $^\circ\text{C}$	150 $^\circ\text{F}$	annealed; ASTM D-648

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