

Axiall LSS-8200 Rigid PVC, Extrusion

Category : Polymer , Thermoplastic , Vinyl (PVC)

Material Notes:

Georgia Gulf LSS-8200 is a special purpose rigid PVC sheet extrusion compound designated for reduced smoke emission properties. 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-LSS-8200-Rigid-PVC-Extrusion.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.48 g/cc	1.48 g/cc	ASTM D-792

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	109	109	ASTM D-785
Hardness, Shore D	83	83	ASTM D-2240
Tensile Strength, Yield	40.8 MPa	5920 psi	ASTM D-638
Tensile Modulus	2.65 GPa	385 ksi	ASTM D-638
Flexural Strength	73.1 MPa	10600 psi	ASTM D-790
Flexural Modulus	2.82 GPa	409 ksi	ASTM D-790
Izod Impact, Notched	0.641 J/cm @Thickness 3.17 mm	1.20 ft-lb/in @Thickness 0.125 in	ASTM D-256
Gardner Impact	0.203 J	0.150 ft-lb	per mil, Method B; ASTM D-4226

Thermal Properties	Metric	English	Comments
CTE, linear	113 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$ @Temperature 20.0 $^\circ\text{C}$	63.0 $\mu\text{in}/\text{in}\cdot^\circ\text{F}$ @Temperature 68.0 $^\circ\text{F}$	ASTM D-696
Deflection Temperature at 0.46 MPa (66 psi)	66.7 $^\circ\text{C}$	152 $^\circ\text{F}$	unannealed; ASTM D-648
Deflection Temperature at 1.8 MPa (264 psi)	59.4 $^\circ\text{C}$	139 $^\circ\text{F}$	unannealed; ASTM D-648

Descriptive Properties	Value	Comments
NBS Smoke Values:	124	ASTM E-662/NFPA 258; 0.078 in @ 4.0 min
	206	ASTM E-662/NFPA 258; 0.118 in @ 4.0 min
	32	ASTM E-662/NFPA 258; 0.078 in @ 1.5 min

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ASTM E-662/NFPA 258; 0.118 in @ 1.5 min

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