

Axiall 8264 Rigid PVC, Extrusion

Category : Polymer , Thermoplastic , Vinyl (PVC)

Material Notes:

Georgia Gulf 8264 is a rigid PVC pellet compound suited for applications where transparency is important. 8264 is widely used for clear films, sheets, and profile shapes in the packaging industry. Printable film and picture album pages are examples of its many uses.

Electronic packaging and transistor magazine profiles are produced using 8624. It is also suitable for box lid applications. 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-8264-Rigid-PVC-Extrusion.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.31 g/cc	1.31 g/cc	ASTM D-792

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	110	110	ASTM D-785
Hardness, Shore D	78	78	ASTM D-2240
Tensile Strength, Yield	44.1 MPa	6400 psi	ASTM D-638
Tensile Modulus	2.72 GPa	395 ksi	ASTM D-638
Flexural Strength	77.2 MPa	11200 psi	ASTM D-790
Flexural Modulus	2.65 GPa	385 ksi	ASTM D-790
Izod Impact, Notched	1.98 J/cm	3.70 ft-lb/in	ASTM D-256
	@Thickness 6.35 mm, Temperature 23.0 °C	@Thickness 0.250 in, Temperature 73.4 °F	
Tensile Impact Strength	5.23 J/cm	9.80 ft-lb/in	ASTM D-256
	@Thickness 3.17 mm, Temperature 23.0 °C	@Thickness 0.125 in, Temperature 73.4 °F	
Tensile Impact Strength	187 kJ/m ²	89.0 ft-lb/in ²	ASTM D-1822

Thermal Properties	Metric	English	Comments
CTE, linear	72.0 µm/m-°C	40.0 µin/in-°F	ASTM D-696
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Deflection Temperature at 1.8 MPa (264 psi)	62.8 °C	145 °F	ASTM D-648
Flammability, UL94	V-0	V-0	At 0.049 inch(min. thickness)

Optical Properties	Metric	English	Comments
Haze	5.0 % @Thickness 3.17 mm	5.0 % @Thickness 0.125 in	pressed plaque; ASTM D-1003-61
Transmission, Visible	75 % @Thickness 3.17 mm	75 % @Thickness 0.125 in	pressed plaque; ASTM D-1003-61

Descriptive Properties	Value	Comments
Cell Classification	13353	ASTM D-1784

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