

Axiall PVC 8302

Rigid Polyvinyl Chloride

Axiall Corporation

Message:

Georgia Gulf 8302 is a clear rigid PVC pellet compound suited for applications where transparency is important in a high sunlight environment. It can be used for exterior transparent profiles such as transparent panels, glazing and protected jalousie windows. It is also suitable for high impact vacuum formed sheet applications, as well as the clear edge on decorator vertical blinds.

General Information	
UL YellowCard	E53006-243342
Features	High Clarity
	Sunlight Resistant
Uses	Clear Sheet
	Glazing
	Profiles
Appearance	Clear/Transparent
Forms	Pellets
Processing Method	Profile Extrusion
	Sheet Extrusion
	Vacuum Forming

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.33	g/cm ³	ASTM D792
PVC Cell Classification	1-444-21-13		ASTM D4216
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	110		ASTM D785
Durometer Hardness (Shore D)	80		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2210	MPa	ASTM D638
Tensile Strength (Yield)	41.4	MPa	ASTM D638
Flexural Modulus	2550	MPa	ASTM D790
Flexural Strength	84.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	670	J/m	ASTM D256
Tensile Impact Strength	210	kJ/m ²	ASTM D1822
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	62.0	°C	ASTM D648
Melting Temperature	185	°C	

CLTE - Flow	6.8E-5	cm/cm/°C	ASTM D696
Flammability	Nominal Value		Test Method
Flame Rating	V-0		UL 94
Optical	Nominal Value	Unit	Test Method
Transmittance (3180 μm)	87.0	%	ASTM D1003
Haze (3180 μm)	10	%	ASTM D1003

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