

Axial PVC 8150

Rigid Polyvinyl Chloride

Axial Corporation

Message:

Georgia Gulf 8150 is a special purpose rigid PVC compound designed for applications requiring weatherability, gloss, impact strength and toughness, flame retardance, chemical resistance, thermoformability, extrudability in profile and sheet, and moldability in fittings and caps.

General Information			
UL YellowCard	E53006-243338		
Features	Highlight		
	Impact resistance, good		
	Good chemical resistance		
	Good weather resistance		
	Good toughness		
	Flame retardancy		
Uses	Shield		
	Accessories		
Forms	Particle		
Processing Method	Sheet extrusion molding		
	Profile extrusion molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.47	g/cm ³	ASTM D792
PVC Cell Classification	1-443-43-23		ASTM D4216
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	112		ASTM D785
Durometer Hardness (Shore D)	83		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2620	MPa	ASTM D638
Tensile Strength	44.8	MPa	ASTM D638
Flexural Modulus	2210	MPa	ASTM D790
Flexural Strength	68.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	800	J/m	ASTM D256
Tensile Impact Strength	126	kJ/m ²	ASTM D1822
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Annealed)	66.7	°C	ASTM D648
CLTE - Flow	7.2E-5	cm/cm/°C	ASTM D696

Additional Information

Flow Ratio, Georgia Gulf, Distance/Wall Thickness, 390-400°F: 160Flammability, ASTM D635: SE

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