

Axiall PVC 3650

Rigid Polyvinyl Chloride

Axiall Corporation

Message:

Georgia Gulf 3650 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	E53006-243305		
Features	Impact resistance, good		
	Good chemical resistance		
	Good weather resistance		
	Good toughness		
	Flame retardancy		
Uses	Accessories		
Forms	Particle		
Processing Method	Sheet extrusion molding		
	Thermoforming		
	Profile extrusion molding		
	Injection 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 (Yield)	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			

Flammability, ASTM D635: SEFlow Ratio (Distance/Wall Thickness), Georgia Gulf Test Method, 390 to 400°F: 160

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