

Axiall PVC 7450

Rigid Polyvinyl Chloride

Axiall Corporation

Message:

Georgia Gulf 7450 is a special purpose rigid PVC extrusion compound designed for applications requiring excellent toughness, satin surface appearance, colorability, chemical resistance, ease of processing, and low die swell.

General Information			
UL YellowCard	E53006-243330		
Features	Good Chemical Resistance		
	Good Colorability		
	Good Processability		
	Good Toughness		
	Low Die Swell		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.38	g/cm ³	ASTM D792
PVC Cell Classification	1-442-32-23		ASTM D4216
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	106		ASTM D785
Durometer Hardness (Shore D)	75		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2450	MPa	ASTM D638
Tensile Strength (Yield)	42.7	MPa	ASTM D638
Flexural Modulus	2480	MPa	ASTM D790
Flexural Strength	81.4	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
23°C, 3.18 mm	960	J/m	
23°C, 6.35 mm	430	J/m	
Tensile Impact Strength	168	kJ/m ²	ASTM D1822
Drop Impact Resistance ¹	133	J/cm	ASTM D4226
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	68.0	°C	ASTM D648
CLTE - Flow	6.5E-5	cm/cm/°C	ASTM D696
Flammability	Nominal Value		Test Method
Flame Rating (Tested by Georgia Gulf)	V-0		UL 94
Extrusion	Nominal Value	Unit	

Melt Temperature	182	°C
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NOTE

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| 1. | Procedure A, H.25 |
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