

Axiall PVC 7045

Rigid Polyvinyl Chloride

Axiall Corporation

Message:

Georgia Gulf 7045 is a special purpose rigid PVC profile extrusion compound designed for applications requiring the following properties:

- Impact Strength & Toughness
- Dimensional Stability
- Flame Retardance
- Chemical Resistance
- Colorability
- Durability

General Information			
Features	Good dimensional stability		
	Impact resistance, good		
	Good coloring		
	Good chemical resistance		
	Durability		
	Good toughness		
	Flame retardancy		
Uses	Furniture		
Agency Ratings	NSF 51		
Appearance	Natural color		
Forms	Particle		
Processing Method	Profile extrusion molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity (Natural)	1.33	g/cm ³	ASTM D792
PVC Cell Classification	14423333		ASTM D4216
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	108		ASTM D785
Durometer Hardness (Shore D)	79		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2760	MPa	ASTM D638
Tensile Strength	44.8	MPa	ASTM D638
Flexural Modulus	2760	MPa	ASTM D790
Flexural Strength	86.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	1100	J/m	ASTM D256
Tensile Impact Strength	158	kJ/m ²	ASTM D1822
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (1.8 MPa, Unannealed)	72.2	°C	ASTM D648
CLTE - Flow	7.2E-5	cm/cm/°C	ASTM D696
Flammability	Nominal Value		Test Method
Flame Rating (0.635 mm)	V-0		UL 94
Additional Information			
Flammability Classification, ASTM D635: SE			
Injection	Nominal Value	Unit	
Processing (Melt) Temp	182	°C	

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