

Axiall PVC 7800

Flexible Polyvinyl Chloride

Axiall Corporation

Message:

Georgia Gulf 7800 is a rigid profile extrusion PVC compound designed for applications requiring the following properties:

- Low Die Swell
- Impact Strength/Toughness
- Chemical Resistance
- Colorability

General Information			
UL YellowCard	E53006-100884360		
Features	Lower die-out expansion		
	Equilibrium rigidity/toughness		
	Good coloring		
	Good chemical resistance		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.37	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	80		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3100	MPa	ASTM D638
Tensile Strength (Yield)	45.5	MPa	ASTM D638
Flexural Modulus	2480	MPa	ASTM D790
Flexural Strength	68.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	1300	J/m	ASTM D256
Drop Impact Resistance ¹	66.7	J/cm	ASTM D4226
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	68.9	°C	ASTM D648
CLTE - Flow	6.5E-5	cm/cm/°C	ASTM D696
Additional Information			
360°F			
Extrusion	Nominal Value	Unit	
Melt Temperature	182 - 196	°C	
NOTE			
1.	Procedure A, C.125		

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