

# Axiall PVC 7456

Rigid Polyvinyl Chloride

Axiall Corporation

## Message:

Georgia Gulf 7456 is a special purpose rigid PVC extrusion compound designed for applications requiring the following properties:

- Toughness
- Weatherability
- Weldability
- Chemical Resistance
- Ease of Processing
- UL rating

General Information			
UL YellowCard	E53006-243331		
Features	Good Chemical Resistance		
	Good Processability		
	Good Toughness		
	Good Weather Resistance		
	Weldable		
Uses	Outdoor Applications		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.41	g/cm <sup>3</sup>	ASTM D792
PVC Cell Classification	1-434-33-00		ASTM D4216
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	112		ASTM D785
Durometer Hardness (Shore D)	78		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2810	MPa	ASTM D638
Tensile Strength (Yield)	44.8	MPa	ASTM D638
Flexural Modulus	2450	MPa	ASTM D790
Flexural Strength	75.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
23°C, 3.18 mm	1400	J/m	
23°C, 6.35 mm	270	J/m	
Tensile Impact Strength	172	kJ/m <sup>2</sup>	ASTM D1822
Drop Impact Resistance	178	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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#### Recommended distributors for this material

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