

Axiall PVC UV-6670

Rigid Polyvinyl Chloride

Axiall Corporation

Message:

Georgia Gulf UV-6670 is a weatherable, high flow injection molding compound, specially formulated for outdoor UV exposure. This compound was designed to be used in various accessory parts, such as fence post caps, rain gutter parts, desk parts, etc.

General Information			
Features	Good Weather Resistance		
	High Flow		
Uses	Caps		
	Outdoor Applications		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.40	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.30 to 0.40	%	ASTM D955
Flow Ratio ¹	220		
Gardner Impact ² (23°C)	14.7	J	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	97		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2550	MPa	ASTM D638
Tensile Strength	4.14	MPa	ASTM D638
Flexural Modulus	2340	MPa	ASTM D790
Flexural Strength	68.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C, 3.18 mm	80	J/m	
23°C, 3.18 mm	960	J/m	
Drop Impact Resistance ³ (23°C)	89.0	J/cm	ASTM D4226
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	72.0	°C	
1.8 MPa, Unannealed	70.0	°C	
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94
Oxygen Index	35	%	ASTM D2863
NOTE			

1.	Distance/Wall Thickness, 390 to 400°F
2.	1/2 in R Tup
3.	0.5 in Dart

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