

Westlake PVC UV-6670

Westlake Chemical Corporation - Rigid Polyvinyl Chloride

Friday, September 20, 2019

General Information

Product Description

AXIALL's 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

Material Status	• Commercial: Active
Availability	• North America
Features	• High Flow • Weather Resistant
Uses	• Caps • Outdoor Applications
Processing Method	• Injection Molding

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.40	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.30 to 0.40	%	ASTM D955
Flow Ratio ²	220		
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
Gardner Impact ⁴ (23°C)	14.7	J	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	97		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	72.0	°C	
Deflection Temperature Under Load			ASTM D648
1.8 MPa, Unannealed	70.0	°C	
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94
Oxygen Index	35	%	ASTM D2863

Notes

¹ Typical properties: these are not to be construed as specifications.

² Distance/Wall Thickness, 390 to 400°F

³ 0.5 in Dart

⁴ 1/2 in R Tup

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