

Axial PVC 7181

Rigid Polyvinyl Chloride

Axial Corporation

Message:

Georgia Gulf 7181 is a special purpose rigid PVC profile extrusion compound designed for applications requiring weatherability, impact strength, dimensional stability, flame retardance, and chemical resistance.

General Information			
UL YellowCard	E53006-243329		
Features	Good dimensional stability		
	Impact resistance, good		
	Good chemical resistance		
	Good weather resistance		
	Flame retardancy		
Uses	Outdoor furniture		
	Profile		
Appearance	White		
	Available colors		
	Light beige		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.42	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.20 - 0.30	%	ASTM D955
PVC Cell Classification	1-441-32-33		ASTM D4216
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	112		ASTM D785
Durometer Hardness (Shore D)	80		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2480	MPa	ASTM D638
Tensile Strength (Yield)	42.1	MPa	ASTM D638
Flexural Modulus	2830	MPa	ASTM D790
Flexural Strength	75.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	960	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	6.3E-5	cm/cm/°C	ASTM D696
Flammability	Nominal Value		Test Method
Flame Rating	V-0		UL 94
Additional Information			

Color Value, ASTM E308/E1345, L: ±1.0Color Value, ASTM E308/E1345, a: ±0.5Color Value, ASTM E308/E1345, b: ±0.5Flammability Classification, ASTM D635: SE/Self-Extinguishing

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

