

Axiall PVC 5006 White

Rigid Polyvinyl Chloride

Axiall Corporation

Message:

Georgia Gulf 5006 White is a rigid PVC pellet compound designed for extrusion of rigid PVC house siding, window profiles and various contours where maximum weather resistance is required. Georgia Gulf 5006 White is widely used for window profiles and house siding. Twin screw extruded sheet and kick panels also are produced. USDA approval allows 5006 to be used for walk-in cooler walls, ruck panels and associated profiles. Single or twin screw machines may be used to convert Georgia Gulf 5006 White. It has been designed with excellent impact at ambient temperatures. The high flexural and tensile strength makes it highly suitable for structural installation. The extrusion flow characteristics are excellent, and complicated panel profiles are easily filled out, requiring a minimum of pull-down.

General Information			
Features	Impact resistance, good		
	Good weather resistance		
Uses	Outdoor application		
	Profile		
Agency Ratings	USDA Unspecified Approval		
Appearance	White		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.45	g/cm ³	ASTM D792
PVC Cell Classification	13464		ASTM D1784
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	116		ASTM D785
Durometer Hardness (Shore D)	82		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3100	MPa	ASTM D638
Tensile Strength (Yield)	49.0	MPa	ASTM D638
Flexural Modulus	3450	MPa	ASTM D790
Flexural Strength	84.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
3.18 mm	130	J/m	ASTM D256
6.35 mm	80	J/m	ASTM D256
Tensile Impact Strength	137	kJ/m ²	ASTM D1822
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	69.0	°C	ASTM D648
CLTE - Flow	6.5E-5	cm/cm/°C	ASTM D696

Flammability	Nominal Value	Test Method
Flame Rating	V-0	UL 94
Additional Information		
Flammability, ASTM D635: SE		
Extrusion	Nominal Value	Unit
Melt Temperature	185	°C

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