

Axiall PVC 5006 Natural

Rigid Polyvinyl Chloride

Axiall Corporation

Message:

Georgia Gulf 5006 Natural is a rigid PVC pellet compound designed for extrusion of interior rigid PVC profiles and various contours where high gloss, and ease of processing is required. Georgia Gulf 5006 is widely used for high gloss custom profile, sheet applications. USDA approval allows for use in walk-in coolers and refrigerated trucks.

Single or twin screw machines may be used to convert Georgia Gulf 5006. It has been designed with good impact at ambient temperatures. The high flexural and tensile strength makes it highly suitable for structural installation. The extrusion flow characteristics are excellent in complicated profiles. It is easily colored using concentrates. Technical assistance is available on request.

General Information			
Features	Highlight		
	Impact resistance, good		
	Workability, good		
	Good coloring		
Uses	Sheet		
	Profile		
Agency Ratings	USDA Unspecified Approval		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.33	g/cm³	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/m²	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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