

## Axiall 5006 Rigid PVC, Extrusion, Natural

Category : Polymer , Thermoplastic , Vinyl (PVC)

### Material Notes:

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 make it highly suitable for structural installation. The extrusion flow characteristics are excellent in complicated profiles. It is easily colored using concentrates. Information provided by Georgia Gulf Georgia Gulf became Axiall Corporation in 2013.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Axiall-5006-Rigid-PVC-Extrusion-Natural.php](http://www.lookpolymers.com/polymer_Axiall-5006-Rigid-PVC-Extrusion-Natural.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.33 g/cc	1.33 g/cc	ASTM D-792

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	116	116	ASTM D-785
Hardness, Shore D	82	82	ASTM D-2240
Tensile Strength, Yield	49.0 MPa	7100 psi	ASTM D-638
Tensile Modulus	3.10 GPa	450 ksi	ASTM D-638
Flexural Strength	84.1 MPa	12200 psi	ASTM D-790
Flexural Modulus	3.45 GPa	500 ksi	ASTM D-790
Izod Impact, Notched	0.801 J/cm	1.50 ft-lb/in	ASTM D-256
	@Thickness 6.35 mm	@Thickness 0.250 in	
	1.33 J/cm	2.50 ft-lb/in	ASTM D-256
	@Thickness 3.17 mm	@Thickness 0.125 in	
Tensile Impact Strength	137 kJ/m <sup>2</sup>	65.0 ft-lb/in <sup>2</sup>	ASTM D-1822

Thermal Properties	Metric	English	Comments
CTE, linear	64.8 μm/m-°C	36.0 μin/in-°F	ASTM D-696
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Deflection Temperature at 1.8 MPa (264 psi)	68.9 °C	156 °F	ASTM D-648
Flammability, UL94	V-0	V-0	

Thermal Properties	Metric	English	Comments
Processing Properties	Metric	English	Comments
Melt Temperature	185 °C	365 °F	

Descriptive Properties	Value	Comments
Cell Classification	13464	ASTM D-1784

## Contact Songhan Plastic Technology Co.,Ltd.

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