

## Axiall 5006 Rigid PVC, Extrusion, White

Category : Polymer , Thermoplastic , Vinyl (PVC)

### Material Notes:

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 are also produced. USDA approval allows 5006 to be used for walk-in cooler walls, refrigerated truck 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. 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-White.php](http://www.lookpolymers.com/polymer_Axiall-5006-Rigid-PVC-Extrusion-White.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.45 g/cc	1.45 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 @Thickness 6.35 mm	1.50 ft-lb/in @Thickness 0.250 in	ASTM D-256
	1.33 J/cm @Thickness 3.17 mm	2.50 ft-lb/in @Thickness 0.125 in	ASTM D-256
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 @Temperature 20.0 °C	36.0 μin/in-°F @Temperature 68.0 °F	ASTM D-696
Deflection Temperature at 1.8 MPa (264 psi)	68.9 °C	156 °F	ASTM D-648

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.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China