

Axiall 7181 Rigid PVC, Extrusion

Category : Polymer , Thermoplastic , Vinyl (PVC)

Material Notes:

Georgia Gulf 7181 is a special purpose rigid PVC profile extrusion compound designed for applications requiring the following properties:
WeatherabilityImpact StrengthDimensional StabilityFlame RetardantChemical ResistanceInformation provided by Georgia GulfGeorgia Gulf became Axiall Corporation in 2013.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Axiall-7181-Rigid-PVC-Extrusion.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.42 g/cc	1.42 g/cc	ASTM D-792
Linear Mold Shrinkage	0.0020 - 0.0030 cm/cm	0.0020 - 0.0030 in/in	ASTM D-955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	112	112	ASTM D-785
Hardness, Shore D	80	80	ASTM D-2240
Tensile Strength, Yield	42.1 MPa	6100 psi	ASTM D-638
Tensile Modulus	2.48 GPa	360 ksi	ASTM D-638
Flexural Strength	75.8 MPa	11000 psi	ASTM D-790
Flexural Modulus	2.83 GPa	410 ksi	ASTM D-790
Izod Impact, Notched	9.61 J/cm	18.0 ft-lb/in	ASTM D-256
Tensile Impact Strength	158 kJ/m ²	75.0 ft-lb/in ²	ASTM D-1822
Dart Drop Total Energy	53.4 J/cm	0.100 ft-lb/mil	23°C, C.125 Tup, Method A; ASTM D-4226

Thermal Properties	Metric	English	Comments
CTE, linear	63.0 µm/m-°C	35.0 µin/in-°F	ASTM D-696
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Deflection Temperature at 1.8 MPa (264 psi)	72.2 °C	162 °F	ASTM D-648
Flammability, UL94	V-0	V-0	

Descriptive Properties	Value	Comments
Cell Classification	14413233	ASTM D-4216

Descriptive Properties	Value	Comments
Color : Yellow	Length: 1.0, 7a=±0.5, 7b=±0.5	ASTM E-308/E-1345

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com
Email : sales@lookpolymers.com
Tel : +86 021-51131842
Mobile : +86 13061808058
Skype : lookpolymers
Address : United North Road 215,Fengxian District, Shanghai City,China