

## PolyOne Geon™ Vinyl Rigid Extrusion LR610 white 1046 Polyvinyl Chloride, Rigid (PVC, Rigid)

Category : Polymer , Thermoplastic , Vinyl (PVC) , PVC, Rigid Grade

### Material Notes:

Information provided by PolyOne

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PolyOne-Geon-Vinyl-Rigid-Extrusion-LR610-white-1046-Polyvinyl-Chloride-Rigid-PVC-Rigid.php](http://www.lookpolymers.com/polymer_PolyOne-Geon-Vinyl-Rigid-Extrusion-LR610-white-1046-Polyvinyl-Chloride-Rigid-PVC-Rigid.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.49 g/cc	1.49 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	80	80	ASTM D2240
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Tensile Strength, Yield	39.4 MPa	5710 psi	Type I, 5.1 mm/min; ASTM D638
Tensile Modulus	3.33 GPa	483 ksi	Type I, 5.1 mm/min; ASTM D638
Flexural Yield Strength	71.0 MPa	10300 psi	ASTM D790
Flexural Modulus	2.81 GPa	408 ksi	ASTM D790
Dart Drop Total Energy	38.7 J/cm	0.0725 ft-lb/mil	Procedure A; ASTM D4226
	38.7 J/cm	0.0725 ft-lb/mil	Procedure B; ASTM D4226

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	61.0 µm/m-°C	33.9 µin/in-°F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	78.4 °C	173 °F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	74.3 °C	166 °F	Unannealed; ASTM D648

Descriptive Properties	Value	Comments
Features	General Purpose	
Forms	Cube	
Generic Material	PVC, Rigid	
Generic Name	Polyvinyl Chloride, Rigid (PVC, Rigid)	

<b>Recycled Content</b> Descriptive Properties	<b>Yes</b> Value	Comments
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Uses	Building Materials	
	Profiles	

## Contact Songhan Plastic Technology Co.,Ltd.

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