

Reliance Industries PVAXX H65

Category : Polymer , Renewable/Recycled Polymer , Thermoplastic

Material Notes:

The key property of all PVAXX polymer is this product's unique capacity to biodegrade into non-toxic residues under both aerobic and non-aerobic conditions. Information provided by Reliance Industries

Order this product through the following link:

http://www.lookpolymers.com/polymer_Reliance-Industries-PVAXX-H65.php

Physical Properties	Metric	English	Comments
Density	1.25 g/cc	0.0452 lb/in ³	ASTM D792
Melt Flow	4.1 g/10 min @Load 2.16 kg, Temperature 210 °C	4.1 g/10 min @Load 4.76 lb, Temperature 410 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	102	102	ASTM D 785
Tensile Strength, Ultimate	46.0 MPa	6670 psi	ASTM D638
Tensile Strength, Yield	46.5 MPa	6740 psi	ASTM D368
Elongation at Break	19 %	19 %	ASTM D638
Elongation at Yield	15 %	15 %	ASTM D638
Tensile Modulus	0.530 GPa	76.9 ksi	ASTM D638
Flexural Strength	27.4 MPa	3970 psi	2mm Deflection; ASTM D790
Flexural Modulus	2.90 GPa	421 ksi	ASTM D790
Izod Impact, Notched (ISO)	1.28 kJ/m ²	0.609 ft-lb/in ²	ASTM D256
Izod Impact, Unnotched (ISO)	12.2 kJ/m ²	5.81 ft-lb/in ²	ASTM D256
Charpy Impact Unnotched	0.728 J/cm ²	3.46 ft-lb/in ²	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	216 °C	421 °F	DSC Peak
Deflection Temperature at 1.8 MPa (264 psi)	69.0 - 73.0 °C	156 - 163 °F	ASTM D648
Vicat Softening Point	200 °C	392 °F	ASTM D1525
Oxygen Index	17.5 %	17.5 %	

Thermal Properties	Metric	English	Comments
Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+13 ohm-cm	1.00e+13 ohm-cm	
Surface Resistance	3.50e+14 ohm	3.50e+14 ohm	

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