

Unitika TERRAMAC HV-6250H Polylactic Acid (PLA)

Category : Polymer , Renewable/Recycled Polymer , Thermoplastic , Polylactic Acid (PLA) Biopolymer

Material Notes:

Foam, Extrusion, blow, and foam sheet grades. Bio-based materials produced from annually renewable raw materials. Information provided by Unitika Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Unitika-TERRAMAC-HV-6250H-Polylactic-Acid-PLA.php

Physical Properties	Metric	English	Comments
Density	1.27 g/cc	0.0459 lb/in ³	ISO 1183
Melt Flow	1.0 - 3.0 g/10 min @Load 2.16 kg, Temperature 190 °C	1.0 - 3.0 g/10 min @Load 4.76 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	69.0 MPa	10000 psi	ISO 527
Elongation at Break	2.0 %	2.0 %	ISO 527
Flexural Strength	111 MPa	16100 psi	ISO 178
Flexural Modulus	4.70 GPa	682 ksi	ISO 178
Charpy Impact, Notched	0.190 J/cm ²	0.904 ft-lb/in ²	ISO 179

Thermal Properties	Metric	English	Comments
Melting Point	170 °C	338 °F	
Deflection Temperature at 0.46 MPa (66 psi)	120 °C	248 °F	ISO 75

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	180 - 200 °C	356 - 392 °F	
Middle Barrel Temperature	190 - 230 °C	374 - 446 °F	
Front Barrel Temperature	190 - 220 °C	374 - 428 °F	
Die Temperature	20.0 - 120 °C	68.0 - 248 °F	Vacuum and pressure molding
	150 - 180 °C	302 - 356 °F	Foam extrusion molding

Descriptive Properties	Value	Comments
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Contact Songhan Plastic Technology Co.,Ltd.

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