

Reliance Industries METABOLIX PHB

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Molded

Material Notes:

Information provided by Reliance Industries

Order this product through the following link:

http://www.lookpolymers.com/polymer_Reliance-Industries-METABOLIX-PHB.php

Physical Properties	Metric	English	Comments
Density	1.18 - 1.25 g/cc	0.0426 - 0.0452 lb/in ³	
Water Vapor Transmission	60.0 - 70.0 g/m ² /day	3.86 - 4.51 g/100 in ² /day	
Oxygen Transmission Rate	45.0 cc/m ² /day	2.90 cc/100 in ² /day	1 atm
Molecular Weight	500 - 2000 g/mol	500 - 2000 g/mol	
Crystallinity	70 %	70 %	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	40.0 MPa	5800 psi	
Elongation at Break	5.0 %	5.0 %	
Modulus of Elasticity	3.50 GPa	508 ksi	

Thermal Properties	Metric	English	Comments
Melting Point	180 °C	356 °F	
Glass Transition Temp, Tg	5.00 °C	41.0 °F	

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