

Rotuba H3 Cellulose Acetate

Category : Polymer , Renewable/Recycled Polymer , Thermoplastic , Cellulosic , Cellulose Acetate, Molded

Material Notes:

Property values at 50% RH.Data provided by the manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Rotuba-H3-Cellulose-Acetate.php

Physical Properties	Metric	English	Comments
Density	1.28 g/cc	0.0462 lb/in ³	ASTM D792
Water Absorption	2.3 %	2.3 %	ASTM D570

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	93	93	ASTM D785
Tensile Strength, Ultimate	46.0 MPa	6670 psi	ASTM D638
Tensile Strength, Yield	37.0 MPa	5370 psi	ASTM D638
Elongation at Break	32 %	32 %	ASTM D638
Flexural Yield Strength	58.0 MPa	8410 psi	ASTM D790
Flexural Modulus	0.140 GPa	20.3 ksi	ASTM D790
Izod Impact, Notched	1.71 J/cm	3.20 ft-lb/in	ASTM D256
	0.590 J/cm	1.11 ft-lb/in	ASTM D256
	@Temperature -40.0 °C	@Temperature -40.0 °F	

Thermal Properties	Metric	English	Comments
Melting Point	165 °C	329 °F	Flow temperature, ASTM D569

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