

Rotuba H4 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-H4-Cellulose-Acetate.php

Physical Properties	Metric	English	Comments
Density	1.29 g/cc	0.0466 lb/in ³	ASTM D792
Water Absorption	2.3 %	2.3 %	ASTM D570

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	101	101	ASTM D785
Tensile Strength, Ultimate	50.0 MPa	7250 psi	ASTM D638
Tensile Strength, Yield	40.0 MPa	5800 psi	ASTM D638
Elongation at Break	28 %	28 %	ASTM D638
Flexural Yield Strength	64.0 MPa	9280 psi	ASTM D790
Flexural Modulus	0.150 GPa	21.8 ksi	ASTM D790
Izod Impact, Notched	1.55 J/cm	2.90 ft-lb/in	ASTM D256
	0.530 J/cm	0.993 ft-lb/in	ASTM D256
	@Temperature -40.0 °C	@Temperature -40.0 °F	

Thermal Properties	Metric	English	Comments
Melting Point	170 °C	338 °F	Flow temperature, ASTM D569

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