

Rotuba H5 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-H5-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	109	109	ASTM D785
Tensile Strength, Ultimate	52.0 MPa	7540 psi	ASTM D638
Tensile Strength, Yield	43.0 MPa	6240 psi	ASTM D638
Elongation at Break	25 %	25 %	ASTM D638
Flexural Yield Strength	69.0 MPa	10000 psi	ASTM D790
Flexural Modulus	0.160 GPa	23.2 ksi	ASTM D790
Izod Impact, Notched	1.39 J/cm	2.60 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	175 °C	347 °F	Flow temperature, ASTM D569

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