

Rotuba MS 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-MS-Cellulose-Acetate.php

Physical Properties	Metric	English	Comments
Density	1.26 g/cc	0.0455 lb/in ³	ASTM D792
Water Absorption	2.4 %	2.4 %	ASTM D570

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	40	40	ASTM D785
Tensile Strength, Ultimate	29.0 MPa	4210 psi	ASTM D638
Tensile Strength, Yield	20.0 MPa	2900 psi	ASTM D638
Elongation at Break	51 %	51 %	ASTM D638
Flexural Yield Strength	28.0 MPa	4060 psi	ASTM D790
Flexural Modulus	0.0900 GPa	13.1 ksi	ASTM D790
Izod Impact, Notched	3.26 J/cm	6.11 ft-lb/in	ASTM D256
	0.690 J/cm	1.29 ft-lb/in	ASTM D256
	@Temperature -40.0 °C	@Temperature -40.0 °F	

Thermal Properties	Metric	English	Comments
Melting Point	140 °C	284 °F	Flow temperature, ASTM D569

Processing Properties	Metric	English	Comments
Processing Temperature	175 °C	347 °F	Center barrel temperature

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