

Rotuba MSS 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-MSS-Cellulose-Acetate.php

Physical Properties	Metric	English	Comments
Density	1.26 g/cc	0.0455 lb/in ³	ASTM D792
Water Absorption	2.5 %	2.5 %	ASTM D570

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	31	31	ASTM D785
Tensile Strength, Ultimate	27.0 MPa	3920 psi	ASTM D638
Tensile Strength, Yield	19.0 MPa	2760 psi	ASTM D638
Elongation at Break	53 %	53 %	ASTM D638
Flexural Yield Strength	27.0 MPa	3920 psi	ASTM D790
Flexural Modulus	0.0800 GPa	11.6 ksi	ASTM D790
Izod Impact, Notched	3.52 J/cm	6.59 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	138 °C	280 °F	Flow temperature, ASTM D569

Processing Properties	Metric	English	Comments
Processing Temperature	180 °C	356 °F	Center barrel temperature

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