

Rotuba 860MS 686.5 Ethyl Cellulose

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

Material Notes:

Data provided by the manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Rotuba-860MS-6865-Ethyl-Cellulose.php

Physical Properties	Metric	English	Comments
Density	1.11 g/cc	0.0401 lb/in ³	ASTM D792-60T

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	100	100	ASTM D785
Tensile Strength, Ultimate	31.0 MPa	4500 psi	ASTM D638-61T
Elongation at Break	32 %	32 %	ASTM D638-61T
Izod Impact, Notched	1.60 J/cm	3.00 ft-lb/in	ASTM D256-56
	0.270 J/cm @Temperature -40.0 °C	0.506 ft-lb/in @Temperature -40.0 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	138 °C	280 °F	Flow temperature, ASTM D569-59
Deflection Temperature at 0.46 MPa (66 psi)	77.0 °C	171 °F	ASTM D648-56

Electrical Properties	Metric	English	Comments
Dielectric Constant	3.18	3.18	ASTM D150-54T
	@Frequency 10000 Hz	@Frequency 10000 Hz	
	3.23	3.23	ASTM D150-54T
	@Frequency 1000 Hz	@Frequency 1000 Hz	
Dissipation Factor	0.0072	0.0072	ASTM D150-54T
	@Frequency 1000 Hz	@Frequency 1000 Hz	
	0.0127	0.0127	ASTM D150-54T
	@Frequency 10000 Hz	@Frequency 10000 Hz	

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