

Overview of materials for Ethyl Cellulose, Molded

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

Material Notes:

This property data is a summary of similar materials in the MatWeb database for the category "Ethyl Cellulose, Molded". Each property range of values reported is minimum and maximum values of appropriate MatWeb entries. The comments report the average value, and number of data points used to calculate the average. The values are not necessarily typical of any specific grade, especially less common values and those that can be most affected by additives or processing methods.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Overview-of-materials-for-Ethyl-Cellulose-Molded.php

Physical Properties	Metric	English	Comments
Density	1.09 - 1.12 g/cc	0.0394 - 0.0405 lb/in ³	Average value: 1.11 g/cc Grade Count:11

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	53.0 - 112	53.0 - 112	Average value: 93.0 Grade Count:11
Tensile Strength, Ultimate	21.0 - 48.0 MPa	3050 - 6960 psi	Average value: 33.2 MPa Grade Count:11
Elongation at Break	22.0 - 34.0 %	22.0 - 34.0 %	Average value: 28.5 % Grade Count:11
Izod Impact, Notched	0.960 - 4.43 J/cm	1.80 - 8.30 ft-lb/in	Average value: 2.04 J/cm Grade Count:11
	0.270 - 0.800 J/cm @Temperature -40.0 - - 40.0 °C	0.506 - 1.50 ft-lb/in @Temperature -40.0 - - 40.0 °F	Average value: 0.447 J/cm Grade Count:11

Thermal Properties	Metric	English	Comments
Melting Point	137 - 155 °C	279 - 311 °F	Average value: 146 °C Grade Count:11
Deflection Temperature at 0.46 MPa (66 psi)	77.0 - 102 °C	171 - 216 °F	Average value: 86.5 °C Grade Count:11

Electrical Properties	Metric	English	Comments
Dielectric Constant	3.18 - 3.46	3.18 - 3.46	Average value: 3.29 Grade Count:10
Dissipation Factor	0.00430 - 0.0205	0.00430 - 0.0205	Average value: 0.0110 Grade Count:10

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China