

Overview of materials for Ethylene-Methyl Acrylate Copolymer, Compounding Grade

Category : Polymer , Thermoplastic , Ethylene Methyl Acrylate , Ethylene-Methyl Acrylate Copolymer, Compounding Grade

Material Notes:

This property data is a summary of similar materials in the MatWeb database for the category "Ethylene-Methyl Acrylate Copolymer, Compounding Grade". 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-Ethylene-Methyl-Acrylate-Copolymer-Compounding-Grade.php

Physical Properties	Metric	English	Comments
Density	0.930 - 1.04 g/cc	0.0336 - 0.0376 lb/in ³	Average value: 0.957 g/cc Grade Count:16
Methyl Acrylate Content	10.0 - 24.0 %	10.0 - 24.0 %	Average value: 19.1 % Grade Count:6
Melt Flow	1.00 - 60.0 g/10 min	1.00 - 60.0 g/10 min	Average value: 16.8 g/10 min Grade Count:15

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	79.0 - 86.0	79.0 - 86.0	Average value: 82.7 Grade Count:3
Hardness, Shore D	26.0 - 48.0	26.0 - 48.0	Average value: 35.0 Grade Count:7
Tensile Strength, Ultimate	8.00 - 13.0 MPa	1160 - 1890 psi	Average value: 10.2 MPa Grade Count:7
Elongation at Break	475 - 925 %	475 - 925 %	Average value: 764 % Grade Count:7
Flexural Modulus	0.0190 - 0.0372 GPa	2.76 - 5.40 ksi	Average value: 0.0274 GPa Grade Count:3
Dart Drop, Total Energy	32.5397 - 32.5397 J @Temperature -40.0 - -40.0 °C	24.0000 - 24.0000 ft-lb @Temperature -40.0 - -40.0 °F	Average value: 32.5 J Grade Count:1

Thermal Properties	Metric	English	Comments
Melting Point	64.0 - 95.0 °C	147 - 203 °F	Average value: 78.8 °C Grade Count:8
Vicat Softening Point	39.0 - 71.0 °C	102 - 160 °F	Average value: 52.1 °C Grade Count:7
Brittleness Temperature	-73.0 - -60.0 °C	-99.4 - -76.0 °F	Average value: -69.8 °C Grade Count:4

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