

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

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

Material Notes:

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

Physical Properties	Metric	English	Comments
Density	0.928 - 0.942 g/cc	0.0335 - 0.0340 lb/in ³	Average value: 0.935 g/cc Grade Count:9
Viscosity	500000 - 900000 cP	500000 - 900000 cP	Average value: 700000 cP Grade Count:3
	@Temperature 190 - 190 °C	@Temperature 374 - 374 °F	
	500000 - 900000 cP	500000 - 900000 cP	Average value: 700000 cP Grade Count:3
	@Shear Rate 50.0 - 50.0 1/s	@Shear Rate 50.0 - 50.0 1/s	
Environmental Stress Crack Resistance	>= 360 hour @Temperature 50.0 - 50.0 °C	>= 360 hour @Temperature 122 - 122 °F	Average value: 360 hour Grade Count:1
Melt Flow	2.00 - 13.5 g/10 min	2.00 - 13.5 g/10 min	Average value: 8.07 g/10 min Grade Count:12

Mechanical Properties	Metric	English	Comments
Seal Strength	1300 - 2800 g/25 mm	1300 - 2800 g/in	Average value: 1960 g/25 mm Grade Count:5
Hot Tack Strength	500 - 2000 g/25 mm	500 - 2000 g/in	Average value: 1030 g/25 mm Grade Count:8

Thermal Properties	Metric	English	Comments
Melting Point	60.0 - 109 °C	140 - 228 °F	Average value: 87.4 °C Grade Count:12
Vicat Softening Point	48.0 - 90.0 °C	118 - 194 °F	Average value: 74.4 °C Grade Count:12

Processing Properties	Metric	English	Comments
Processing Temperature	154 - 315 °C	309 - 599 °F	Average value: 238 °C Grade Count:4

Nozzle Temperature Processing Properties	230 - 305 °C Metric	446 - 581 °F English	Average value: 279 °C Grade Count:10 Comments
Melt Temperature	220 - 315 °C	428 - 599 °F	Average value: 278 °C Grade Count:8

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