

Overview of materials for EMAAA Terpolymer

Category : Polymer , Thermoplastic , EMAAA Terpolymer

Material Notes:

This property data is a summary of similar materials in the MatWeb database for the category "EMAAA Terpolymer". 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-EMAAA-Terpolymer.php

Physical Properties	Metric	English	Comments
Density	0.928 - 0.953 g/cc	0.0335 - 0.0344 lb/in ³	Average value: 0.940 g/cc Grade Count:22
Viscosity	200000 - 1.00e+6 cP	200000 - 1.00e+6 cP	Average value: 700000 cP Grade Count:5
	@Temperature 190 - 190 °C	@Temperature 374 - 374 °F	
	200000 - 1.00e+6 cP	200000 - 1.00e+6 cP	Average value: 700000 cP Grade Count:5
	@Shear Rate 50.0 - 50.0 1/s	@Shear Rate 50.0 - 50.0 1/s	
Methyl Acrylate Content	15.0 - 26.0 %	15.0 - 26.0 %	Average value: 20.3 % Grade Count:4
Butyl Acrylate Content	6.00 - 17.0 %	6.00 - 17.0 %	Average value: 8.88 % Grade Count:4
Melt Flow	3.00 - 200 g/10 min	3.00 - 200 g/10 min	Average value: 21.5 g/10 min Grade Count:22

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	76.0 - 93.0	76.0 - 93.0	Average value: 84.4 Grade Count:5
Hardness, Shore D	14.0 - 46.0	14.0 - 46.0	Average value: 32.8 Grade Count:14
Tensile Strength, Ultimate	5.50 - 76.0 MPa	798 - 11000 psi	Average value: 13.1 MPa Grade Count:17
Elongation at Break	400 - 850 %	400 - 850 %	Average value: 669 % Grade Count:17
Flexural Modulus	0.00900 - 0.130 GPa	1.31 - 18.9 ksi	Average value: 0.0566 GPa Grade Count:17

Thermal Properties	Metric	English	Comments
Melting Point	62.0 - 107 °C	144 - 225 °F	Average value: 83.7 °C Grade Count:22
Vicat Softening Point	40.0 - 80.0 °C	104 - 176 °F	Average value: 56.9 °C Grade Count:22

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-50.0 °C	-50.0 °F	Average value: -50.0 °C Grade Count:5
Ring & Ball Softening Point	112 - 145 °C	234 - 293 °F	Average value: 130 °C Grade Count:4

Chemical Properties	Metric	English	Comments
Acid Value	2.50 - 17.0	2.50 - 17.0	Average value: 11.9 Grade Count:4

Processing Properties	Metric	English	Comments
Processing Temperature	230 - 330 °C	446 - 626 °F	Average value: 283 °C Grade Count:15
Nozzle Temperature	275 °C	527 °F	Average value: 275 °C Grade Count:5

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