

Generic EMA

Ethylene Methyl Acrylate Copolymer

Generic

Message:

This data represents typical values that have been calculated from all products classified as: Generic EMA
This information is provided for comparative purposes only.

General Information			
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	0.929 - 0.944	g/cm ³	ASTM D792
23°C	0.929 - 0.944	g/cm ³	ISO 1183
--	0.940 - 0.945	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR)			
190°C/2.16 kg	1.6 - 6.6	g/10 min	ASTM D1238
190°C/2.16 kg	0.50 - 9.2	g/10 min	ISO 1133
Methyl Acrylate Content	17.5 - 24.6	wt%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (23°C)	21 - 85		ASTM D2240, ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Fracture, 23°C	5.80 - 12.1	MPa	ASTM D638
Fracture, 23°C	6.00 - 13.2	MPa	ISO 527-2
Tensile Elongation			
Fracture, 23°C	660 - 870	%	ASTM D638
Fracture, 23°C	750 - 780	%	ISO 527-2
Flexural Modulus			
23°C	8.00 - 85.0	MPa	ASTM D790
23°C	15.7 - 40.7	MPa	ISO 178
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-73.4 - -71.9	°C	ASTM D746
Vicat Softening Temperature			
--	42.5 - 61.8	°C	ASTM D1525
--	39.8 - 70.4	°C	ISO 306
Melting Temperature			
--	61.0 - 106	°C	DSC
--	74.0 - 96.1	°C	ASTM D3418
--	76.5 - 101	°C	ISO 3146
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	135 - 185	°C	

Cylinder Zone 2 Temp.	160 - 235	°C
Cylinder Zone 3 Temp.	185 - 260	°C
Cylinder Zone 4 Temp.	185 - 285	°C
Cylinder Zone 5 Temp.	185 - 290	°C
Adapter Temperature	185 - 290	°C
Melt Temperature	198 - 302	°C
Die Temperature	185 - 290	°C

Extrusion instructions

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