

Generic EMAA

Ethylene Methacrylic Acid

Generic

Message:

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

General Information			
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	0.930 - 0.960	g/cm ³	ASTM D792
23°C	0.928 - 0.963	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.70 - 12	g/10 min	ASTM D1238, ISO 1133
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (23°C)	40 - 68		ASTM D2240, ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield, 23°C	11.3 - 15.6	MPa	ASTM D638
Fracture, 23°C	10.3 - 29.1	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break, 23°C)	290 - 530	%	ASTM D638, ISO 527-2
Flexural Modulus (23°C)	29.6 - 430	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Tensile Impact Strength (23°C)	336 - 1270	kJ/m ²	ASTM D1822
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-112 - -75.0	°C	ASTM D746
Vicat Softening Temperature	47.0 - 90.2	°C	ASTM D1525, ISO 306
Melting Temperature			
--	99.9 - 109	°C	DSC
--	70.0 - 93.0	°C	ASTM D3418
--	70.0 - 109	°C	ISO 3146
Optical	Nominal Value	Unit	Test Method
Haze	2.5 - 27	%	ASTM D1003
Injection	Nominal Value	Unit	
Processing (Melt) Temp	235 - 236	°C	
Injection instructions			
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Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	135 - 185	°C	
Cylinder Zone 2 Temp.	160 - 235	°C	

Cylinder Zone 3 Temp.	185 - 285	°C
Cylinder Zone 4 Temp.	185 - 310	°C
Cylinder Zone 5 Temp.	185 - 310	°C
Adapter Temperature	185 - 310	°C
Melt Temperature	203 - 315	°C
Die Temperature	185 - 310	°C

Extrusion instructions

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