

Generic Plastomer

Ethylene-based Plastomer

Generic

Message:

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

General Information			
Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.880 to 0.921	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			
190°C/2.16 kg	0.50 to 10	g/10 min	ASTM D1238
190°C/2.16 kg	0.80 to 30	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance (23°C)	978 to 1000	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (23°C)	26 to 85		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break, 23°C)	12.8 to 23.7	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	490 to 510	%	ISO 527-2
Flexural Modulus (23°C)	22.0 to 112	MPa	ISO 178
Films	Nominal Value	Unit	Test Method
Secant Modulus			ASTM D882
MD	54.5 to 152	MPa	
TD	34.3 to 172	MPa	
Tensile Strength			ASTM D882
MD : Yield	3.45 to 6.25	MPa	
TD : Yield	4.05 to 4.56	MPa	
MD : Break	35.0 to 78.9	MPa	
TD : Break	31.6 to 73.9	MPa	
Tensile Elongation			ASTM D882
MD : Yield	9.0 to 14	%	
TD : Yield	7.2 to 11	%	
MD : Break	9.7 to 750	%	
TD : Break	600 to 1200	%	
Dart Drop Impact (23°C)	22 to 1300	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD	44 to 300	g	
TD	220 to 650	g	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature			

--	55.8 to 83.1	°C	ASTM D1525
--	38.0 to 97.2	°C	ISO 306
Melting Temperature			
--	73.0 to 97.6	°C	ISO 11357-3
--	57.7 to 109	°C	ISO 3146
Optical	Nominal Value	Unit	Test Method
Gloss	54 to 94		ASTM D2457
Haze	0.30 to 2.5	%	ASTM D1003

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