

Generic mPE

Metallocene Polyethylene

Generic

Message:

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

General Information			
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.30 to 3.7	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Secant Modulus			ASTM D882
MD	97.8 to 426	MPa	
TD	116 to 519	MPa	
Tensile Strength			
MD : Yield	6.97 to 16.9	MPa	ASTM D882
TD : Yield	6.75 to 19.5	MPa	ASTM D882
Yield, 23°C	6.40 to 27.7	MPa	ISO 527-3
MD : Break	51.3 to 67.0	MPa	ASTM D882
TD : Break	40.9 to 56.7	MPa	ASTM D882
Break, 23°C	24.0 to 68.0	MPa	ISO 527-3
Tensile Elongation			
MD : Break	450 to 570	%	ASTM D882
TD : Break	580 to 810	%	ASTM D882
Break, 23°C	660 to 880	%	ISO 527-3
Dart Drop Impact (23°C)	60 to 610	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD	19 to 300	g	
TD	310 to 730	g	
Optical	Nominal Value	Unit	Test Method
Gloss	14 to 91		ASTM D2457
Haze	1.3 to 40	%	ASTM D1003

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