

Generic EPE

Enhanced Polyethylene

Generic

Message:

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

General Information			
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.908 - 0.919	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.80 - 1.3	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	20 - 51	µm	
Film Puncture Energy	3.71	J	
Film Puncture Force	34.4 - 50.8	N	
Film Puncture Resistance	18.9	J/cm ³	
secant modulus			ASTM D882
MD	68.9 - 280	MPa	ASTM D882
TD	77.2 - 265	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield	5.86 - 12.0	MPa	ASTM D882
TD: Yield	8.00 - 11.1	MPa	ASTM D882
MD: Fracture	33.7 - 46.6	MPa	ASTM D882
TD: Fracture	26.9 - 52.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture	390 - 600	%	ASTM D882
TD: Fracture	450 - 730	%	ASTM D882
Dart Drop Impact (23°C)	310 - 1000	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD	190 - 310	g	ASTM D1922
TD	500 - 610	g	ASTM D1922
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	99.4 - 101	°C	ASTM D1525
Melting Temperature (DSC)	106 - 125	°C	ISO 3146
Optical	Nominal Value	Unit	Test Method
Gloss	32 - 96		ASTM D2457
Haze	0.50 - 22	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	231 - 272	°C	
Extrusion instructions			

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