

# Generic mLLDPE

Metallocene Linear Low Density Polyethylene

Generic

Message:

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

General Information			
Physical	Nominal Value	Unit	Test Method
Density			
23°C	0.918 - 0.926	g/cm³	ISO 1183
--	0.916 - 0.918	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR)			
190°C/2.16 kg	1.0 - 1.5	g/10 min	ASTM D1238
190°C/0.325 kg	1.2 - 2.0	g/10 min	ISO 1133
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	19 - 50	µm	
secant modulus			
MD	151 - 191	MPa	ASTM D882
TD	124 - 208	MPa	ASTM D882
23°C	117 - 270	MPa	ISO 527-3
Tensile Strength			
MD: Yield	8.96 - 13.6	MPa	ASTM D882
TD: Yield	9.42 - 11.1	MPa	ASTM D882
Yield, 23°C	9.00 - 13.0	MPa	ISO 527-3
MD: Fracture	45.4 - 67.6	MPa	ASTM D882
TD: Fracture	31.7 - 59.3	MPa	ASTM D882
Fracture, 23°C	48.9 - 65.4	MPa	ISO 527-3
Tensile Elongation			
MD: Fracture	440 - 490	%	ASTM D882
TD: Fracture	540 - 600	%	ASTM D882
Fracture, 23°C	540 - 700	%	ISO 527-3
Dart Drop Impact (23°C)	200 - 1100	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD	140 - 240	g	ASTM D1922
TD	260 - 570	g	ASTM D1922
Optical	Nominal Value	Unit	Test Method
Gloss	45 - 131		ASTM D2457
Haze	3.6 - 16	%	ASTM D1003
Extrusion	Nominal Value	Unit	

Melt Temperature	193 - 220	°C
Extrusion instructions		

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## Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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