

Polene LDPE MM 1018

Low Density Polyethylene
TPI Polene Public Company Limited

Message:

Polene LDPE MM 1018 is a Low Density Polyethylene material. It is available in Asia Pacific or North America for extrusion coating or laminating. Important attributes of Polene LDPE MM 1018 are:

- Good Adhesion
- Low to No Odor/Taste

Typical applications include:

- Coating Applications
- Bags/Liners
- Fabrics/Fibers
- Food Contact Applications

General Information			
Features	Good Adhesion		
	Good Drawdown		
	Low to No Odor		
Uses	Bags		
	Coating Applications		
	Fabrics		
	Foil Coatings		
	Laminates		
	Paper Coatings		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Extrusion Coating		
	Laminating		
Physical	Nominal Value	Unit	Test Method
Density	0.917	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	7.5	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	49		DIN 53505
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	10.0	MPa	
Break	10.0	MPa	
Tensile Elongation (Break)	670	%	ASTM D638
Films	Nominal Value	Unit	Test Method
Dart Drop Impact	160	g	ASTM D1709

Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	84.0	°C	ASTM D1525
Melting Temperature	100 to 110	°C	ASTM D1238
Optical	Nominal Value	Unit	Test Method
Gloss	80		ASTM D2457
Haze	9.0	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	170 to 320	°C	

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