

# PETLIN LD N119X

Low Density Polyethylene

PETLIN (MALAYSIA) SDN BHD

Message:

PETLIN LD N119X is a low density polyethylene resin designed for a wide range of applications. It is produced by the state-of-the-art DSM Stamicarbon tubular process. It contains antioxidant (BHT free) additives.

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Foamable		
	Food Contact Acceptable		
	Low Gel		
Uses	Film		
	Foam		
	Laminates		
	Squeeze Bottles		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Blown Film		
	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.921	g/cm <sup>3</sup>	ISO 1183/A
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.9	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance	70.0	hr	Internal Method
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	50		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	175	MPa	ISO 527-2
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	89.0	°C	ISO 306
Melting Temperature (DSC)	108	°C	DIN 53765
Optical	Nominal Value	Unit	Test Method
Gloss (45°)	58		ASTM D2457
Haze	8.3	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	150 to 170	°C	

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