

PETLIN LD M022X

Low Density Polyethylene

PETLIN (MALAYSIA) SDN BHD

Message:

PETLIN LD M022X is a low density polyethylene resin designed primarily for injection molding and masterbatch applications. It is produced by the state-of-the-art Clean Tubular Reactor production technology.

General Information			
Features	Food Contact Acceptable		
	High Gloss		
	Low Gel		
Uses	Household Goods		
	Lids		
	Masterbatch		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.921	g/cm ³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	22	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	45		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	175	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	8.00	MPa	
Break	7.00	MPa	
Tensile Strain (Break)	400	%	ISO 527-2
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	82.0	°C	ISO 306
Melting Temperature (DSC)	105	°C	DIN 53765
Peak Crystallization Temperature (DSC)	100	°C	DIN 53765
Heat of Fusion	122	J/g	DIN 53765
Injection	Nominal Value	Unit	
Processing (Melt) Temp	180 to 210	°C	

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