

PAXOTHENE® NA207-66

Low Density Polyethylene

USI Corporation

Message:

PAXOTHENE NA207-66 (LDPE) is a low density polyethylene resin with high melt index especially suitable for injection & extrusion molding. Owing to its excellent flowability, PAXOTHENE NA207-66 is suitable for films or bags with thickness of 0.010~0.040 mm. The said bags are for package of suit, bakery, fruit, vegetable, fish, meat, and grocery.

PAXOTHENE NA207-66 is well formulated with slip and anti-block agents, bags made from said resin are easy to open and with outstanding gloss. This makes goods more attractive to customers.

PAXOTHENE NA207-66 also could be injection molded into various parts, such as trunk of plastic trees, small parts for toy and stationery.

General Information			
Additive	Antiblock Slip		
Features	Antiblocking Food Contact Acceptable Good Flow High Gloss Low Density Slip		
Uses	Bags Film Food Packaging Toys		
Processing Method	Blown Film Film Extrusion Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.919	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR)	8.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	53		ASTM D2240
Films	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D882
MD : Yield	9.61	MPa	
TD : Yield	9.81	MPa	
MD : Break	18.6	MPa	
TD : Break	13.2	MPa	

Tensile Elongation			ASTM D882
MD : Break	350	%	
TD : Break	480	%	
Dart Drop Impact	90	g	ASTM D1709
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -76.0	°C	ASTM D746
Vicat Softening Temperature	100	°C	ASTM D1525
Peak Melting Temperature	109	°C	ASTM D3418
Optical	Nominal Value	Unit	Test Method
Gardner Gloss (60°)	100		ASTM D523
Haze	7.0	%	ASTM D1003

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