

# PAXOTHENE® NA112-27

Low Density Polyethylene

USI Corporation

## Message:

PAXOTHENE NA112-27 (LDPE) possesses low melt index and good toughness especially suitable for films with thickness of 0.020~0.100 mm. The said films are for package of shopping bags, frozen bags, re-closable bags and shrink packaging applications.

NA112-27 is formulated with medium slip to give good openability of film. High gloss and low haze characteristics of blown film made from NA112-27 provide attractive appearance to the packaged goods thus more valuable.

General Information			
Features	Food Contact Acceptable		
	Good Toughness		
	High Gloss		
	Medium Slip		
Uses	Bags		
	Food Packaging		
	Non-specific Food Applications		
	Packaging		
Processing Method	Blown Film		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.919	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR)	3.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	52		ASTM D2240
Films	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D882
MD : Yield	8.92	MPa	
TD : Yield	8.92	MPa	
MD : Break	18.6	MPa	
TD : Break	15.1	MPa	
Tensile Elongation			ASTM D882
MD : Break	340	%	
TD : Break	550	%	
Dart Drop Impact <sup>1</sup>	110	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	108	°C	ASTM D3418
Optical	Nominal Value	Unit	Test Method
Gardner Gloss (60°)	100		ASTM D523
Haze	7.0	%	ASTM D1003
NOTE			
1.	F50		

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