

# PAXOTHENE® NA205-15

Low Density Polyethylene

USI Corporation

## Message:

PAXOTHENE NA205-15 (LDPE) is specially developed for extrusion coating on various substrates such as paper, cellophane, aluminum foil, polyolefin film, polyester film and nylon film.

NA205-15 also possesses excellent adhesion to a variety of porous substrates such as paper as well as non-porous substrates such as cellophane and foil. Low moisture-vapor transmission rates in combination with excellent heat sealability makes NA205-15 a good coating material.

Concerning processability, good flow characteristics and low neck-in of NA205-15 provide high line speed and reduce the loss of resin in the extrusion coating.

General Information			
Features	Food Contact Acceptable		
	Good Adhesion		
	Good Flow		
	Heat Sealable		
	Low Density		
	Low Neck-In		
Uses	Coating Applications		
Processing Method	Extrusion Coating		
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)	53		ASTM D2240
Films	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D882
MD : Yield	9.02	MPa	
TD : Yield	9.02	MPa	
MD : Break	19.1	MPa	
TD : Break	15.4	MPa	
Tensile Elongation			ASTM D882
MD : Break	330	%	
TD : Break	540	%	
Dart Drop Impact	98	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

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

