

## LyondellBasell Petrothene® NA426225 Low Density Polyethylene, Film Extrusion Grade

Category : Polymer , Film , Thermoplastic , Ethylene Vinyl Acetate , Ethylene Vinyl Acetate Copolymer (EVA), Film Grade

### Material Notes:

PETROTHENE NA426 is a series of LDPE/EVA copolymer resins for high impact and clarity packaging film. These resins exhibit excellent a broad range of extrusion conditions. Well-balanced films with excellent optics, good stiffness and strong heat sealing characters can be produced from these resins. Regulatory Status: The NA426 resins meet the requirements of the Food and Drug Administration regulation 21 CFR 177.1350. This regulation allows the use of this ethylene vinyl acetate copolymer "...in articles or components of articles intended for use in contact with food." Specific limitations or conditions of use may apply. Contact your Equistar sales representative for further information. NA426 resins have excellent drawdown characteristics that yield outstanding output rates. Recommended extrusion conditions are 330°-380°F (166°-194°C) melt temperatures and a blow-up ratio between 1.7-3.0:1. Specific recommendations for the processing of NA426 can be made only when the end use application, required properties and the processing equipment are known. For exact recommendations, please contact your Equistar representative. This product is from the former Equistar product line.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_LyondellBasell-Petrothene-NA426225-Low-Density-Polyethylene-Film-Extrusion-Grade.php](http://www.lookpolymers.com/polymer_LyondellBasell-Petrothene-NA426225-Low-Density-Polyethylene-Film-Extrusion-Grade.php)

Physical Properties	Metric	English	Comments
Density	0.924 g/cc	0.0334 lb/in <sup>3</sup>	ASTM D1505
Vinyl Acetate Content	2.5 %	2.5 %	
Thickness	31.8 microns	1.25 mil	
Melt Flow	2.5 g/10 min	2.5 g/10 min	ASTM D1238
Antiblock Level	1900 ppm	1900 ppm	
Slip Level	1000 ppm	1000 ppm	

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	350 %	350 %	ASTM D882
Film Elongation at Break, TD	550 %	550 %	ASTM D882
Elmendorf Tear Strength MD	220 g	220 g	ASTM D1922
Elmendorf Tear Strength TD	250 g	250 g	ASTM D1922
Dart Drop	2.52 g/micron	64.0 g/mil	F <sub>50</sub> ; ASTM D1709
Film Tensile Strength at Break, MD	22.8 MPa	3300 psi	ASTM D882
Film Tensile Strength at Break, TD	16.5 MPa	2400 psi	ASTM D882
1% Secant Modulus, MD	138 MPa	20000 psi	ASTM E111

Mechanical Properties	Metric	English	Comments
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Thermal Properties	Metric	English	Comments
Vicat Softening Point	90.0 Â°C	194 Â°F	ASTM D1525

Optical Properties	Metric	English	Comments
Haze	4.5 %	4.5 %	ASTM D1003
Gloss	73 %	73 %	45Â°; ASTM D2457

Processing Properties	Metric	English	Comments
Melt Temperature	191 Â°C	375 Â°F	
Die Opening	0.0635 cm	0.0250 in	
Blow-up Ratio (BUR)	2.0	2.0	

## Contact Songhan Plastic Technology Co.,Ltd.

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