

Petrothene® NA420234

Low Density Polyethylene + EVA

LyondellBasell Industries

Message:

Petrothene NA420 is a series of LDPE/EVA copolymer resins selected by customers for high impact and clarity packaging film.

General Information			
Additive	Anti-caking agent (3000 ppm)		
Features	Copolymer		
	Anti-caking property		
	Impact resistance, high		
	Definition, high		
	Compliance of Food Exposure		
Uses	Packaging		
	Films		
Agency Ratings	FDA 21 CFR 177.1350		
Forms	Particle		
Processing Method	Film extrusion		
	Blow film		
Physical	Nominal Value	Unit	Test Method
Density	0.924	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.5	g/10 min	ASTM D1238
Vinyl Acetate Content	2.5	wt%	
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	32	µm	
secant modulus			ASTM D882
1% secant, MD: 32 µm	138	MPa	ASTM D882
1% secant, TD: 32 µm	172	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield, 32 µm	22.8	MPa	ASTM D882
TD: Yield, 32 µm	16.5	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Broken, 32 µm	350	%	ASTM D882
TD: Broken, 32 µm	550	%	ASTM D882
Dart Drop Impact (32 µm)	80	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922

MD : 32 μm	220	g	ASTM D1922
TD : 32 μm	250	g	ASTM D1922
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	90.0	°C	ASTM D1525
Extrusion	Nominal Value	Unit	
Melt Temperature	166 - 193	°C	
Extrusion instructions			

Blow Up Ratio: 1.7:1 to 3.0:1

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

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

