

Petrothene® NA443 (Cast)

Low Density Polyethylene

LyondellBasell Industries

Message:

PETROTHENE NA 443 is a series of low density/EVA copolymer resins for high impact/high clarity packaging applications. NA 443 exhibits excellent processability and good balance of optics, stiffness and strong heat sealing characteristics.

General Information			
Features	Copolymer		
	Food Contact Acceptable		
	Good Heat Seal		
	Good Processability		
	Good Stiffness		
	High Clarity		
	High Impact Resistance		
	Opticals		
Uses	Packaging		
Agency Ratings	FDA 21 CFR 177.1350		
Forms	Pellets		
Processing Method	Blown Film		
	Cast Film		
	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.927	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.2	g/10 min	ASTM D1238
Vinyl Acetate Content	4.5	wt%	
Films	Nominal Value	Unit	Test Method
Secant Modulus			ASTM D882
1% Secant, MD	152	MPa	
1% Secant, TD	200	MPa	
Tensile Strength			ASTM D882
MD : Yield	36.5	MPa	
TD : Yield	18.6	MPa	
Tensile Elongation			ASTM D882
MD : Break	150	%	
TD : Break	630	%	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	88.0	°C	ASTM D1525

Extrusion	Nominal Value	Unit
Melt Temperature	166 to 193	°C

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Recommended distributors for this material

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