Petrothene® NA340013

Low Density Polyethylene

LyondellBasell Industries

Message:

Petrothene NA340 is a series of LDPE/EVA copolymer resins selected by customers for film applications that require clarity and good impact strength. Typical applications include heavy produce, textile, frozen food packaging and sealant films.

General Information	
Features	Copolymer Food Contact Acceptable Good Impact Resistance High Clarity
Uses	Film Food Packaging Packaging
Agency Ratings	FDA 21 CFR 177.1350
Forms	Pellets
Processing Method	Blown Film Film Extrusion

Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.0	g/10 min	ASTM D1238
Vinyl Acetate Content	4.0	wt%	
Films	**Nominal Value**	**Unit**	**Test Method**
Film Thickness - Tested	32	µm	
Secant Modulus			ASTM D882
1% Secant, MD : 32 µm, Blown Film	145	MPa	
1% Secant, TD : 32 µm, Blown Film	165	MPa	
Tensile Strength			ASTM D882
MD : Break, 32 µm,Blown Film	25.5	MPa	
TD : Break, 32 µm,Blown Film	21.4	MPa	
Tensile Elongation			ASTM D882
MD : Break, 32 µm,Blown Film	340	%	
TD : Break, 32 µm,Blown Film	500	%	
Dart Drop Impact (32 µm, Blown Film)	140	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD : 32 µm, Blown Film	180	g	
TD : 32 µm, Blown Film	250	g	

Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	95.0	°C	ASTM D1525
Optical	**Nominal Value**	**Unit**	**Test Method**
Gloss (45°, 31.8 µm, Blown Film)	75		ASTM D2457
Haze (31.8 µm, Blown Film)	4.0	%	ASTM D1003
Extrusion	**Nominal Value**	**Unit**	
Melt Temperature	166 to 191	°C	

Recommended distributors for this material

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