Petrothene® NA340

Low Density Polyethylene

LyondellBasell Industries

Message:

PETROTHENE NA 340 is a series of LDPE/EVA copolymer resins designed for quality bags and special film applications that require clarity and excellent impact strength. Typical applications include heavy produce, textile and frozen food packaging.

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	145	MPa	
1% Secant, TD : 32 µm	165	MPa	
Tensile Strength			ASTM D882
MD : Break, 32 µm	25.5	MPa	
TD : Break, 32 µm	21.4	MPa	
Tensile Elongation			ASTM D882
MD : Break, 32 µm	340	%	
TD : Break, 32 µm	500	%	
Dart Drop Impact (32 µm)	170	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD : 32 µm	180	g	
TD : 32 µm	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)	75		ASTM D2457
Haze (31.8 μm)	4.0	%	ASTM D1003

Extrusion	Nominal Value	Unit	
Melt Temperature	166 to 191	°C	

Recommended distributors for this material

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