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	1.0	g/10 min	ASTM D1238
kg) Vinyl Acetate Content	4.0	wt%	ASTIVI D1230
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	32		rest Method
Secant Modulus	52	μm	ACTM DOO2
	1 4 5	MD-	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	

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