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	4.0	40 :	ACTI A D4000
kg)	1.0	g/10 min	ASTM D1238
Vinyl Acetate Content	4.0	wt%	To d Mallord
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	32	μm	ACTI A DOGO
Secant Modulus			ASTM D882
1% Secant, MD : 32 μm, Blown Film	145	MPa	
1% Secant, TD : 32 μm, Blown Film	165	МРа	
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	

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