Petrothene® M2520

Low Density Polyethylene

LyondellBasell Industries

Message:

PETROTHENE M2520 is a film grade resin that exhibits excellent optics, good gloss, good bubble stability and outstanding processability. A typical application for this resin is high clarity packaging that requires higher modulus.

General Information			
Features	Food Contact Acceptable		
	Good Processability		
	High Clarity		
	High Gloss		
	Opticals		
Uses	Film		
	Packaging		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Film Extrusion		

Physical	Nominal Value	Unit	Test Method
Density	0.925	g/cm³	ASTM D1558
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0	g/10 min	ASTM D1238

Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	25	µm	
Secant Modulus			ASTM D882
1% Secant, MD : 25 µm, Blown Film	269	MPa	
1% Secant, TD : 25 µm, Blown Film	338	MPa	
Tensile Strength			ASTM D882
MD : Yield,25 µm, Blown Film	11.7	MPa	
TD : Yield,25 µm, Blown Film	13.1	MPa	
MD : Break, 25 µm,Blown Film	29.6	MPa	
TD : Break, 25 µm,Blown Film	22.8	MPa	
Tensile Elongation			ASTM D882
MD : Break, 25 µm,Blown Film	130	%	
TD : Break, 25 µm,Blown Film	470	%	
Dart Drop Impact (25 µm, Blown Film)	75	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD : 25 µm, Blown Film	270	g	
TD : 25 µm, Blown Film	80	g	

Optical	Nominal Value	Unit	Test Method
Gloss (45°, 25.4 µm, Blown Film)	70		ASTM D2457
Haze (25.4 µm, Blown Film)	5.5	%	ASTM D1003

Recommended distributors for this material

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