

# Petrothene® M2520T

Low Density Polyethylene

LyondellBasell Industries

## Message:

PETROTHENE M 2520 is a film grade resin that exhibits excellent optics, good gloss and good bubble stability. A typical application for this resin is high clarity packaging. M 2520 contains medium levels of antiblock.

General Information			
Additive	Medium Antiblock		
Features	Food Contact Acceptable		
	High Clarity		
	High Gloss		
	Medium Antiblocking		
	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/cm <sup>3</sup>	ASTM D1505
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	ASTM D882
Secant Modulus			
1% Secant, MD : 25 µm	214	MPa	
1% Secant, TD : 25 µm	241	MPa	ASTM D882
Tensile Strength			
MD : Yield, 25 µm	10.3	MPa	
TD : Yield, 25 µm	11.7	MPa	
MD : Break, 25 µm	23.4	MPa	
TD : Break, 25 µm	20.0	MPa	
Tensile Elongation			ASTM D882
MD : Break, 25 µm	250	%	
TD : Break, 25 µm	520	%	
Dart Drop Impact (25 µm)	55	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD : 25 µm	140	g	

TD : 25 μm	120	g	
Optical	Nominal Value	Unit	Test Method
Gloss (60°, 25.4 μm)	95		ASTM D2457
Haze (25.4 μm)	5.5	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	160	°C	

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#### Recommended distributors for this material

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