

# Petrothene® M2520FN

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. M2520 is selected by customers for use in high clarity packaging applications that require higher modulus.

General Information			
Additive	Anti-caking agent (1000 ppm)		
	Sliding agent (800 ppm)		
Features	Optical		
	Gloss, Medium		
	Workability, good		
	Definition, high		
	Compliance of Food Exposure		
Uses	Packaging		
	Films		
Agency Ratings	FDA 21 CFR 175.1520		
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
secant modulus			ASTM D638
1% secant, MD: 25 µm, blown film	269	MPa	ASTM D638
1% secant, TD: 25 µm, blown film	338	MPa	ASTM D638
Tensile Strength			ASTM D882
MD: Broken, 25 µm, blown film	29.6	MPa	ASTM D882
TD: Broken, 25 µm, blown film	22.8	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Broken, 25 µm, blown film	130	%	ASTM D882
TD: Broken, 25 µm, blown film	470	%	ASTM D882
Dart Drop Impact (25 µm, Blown Film)	75	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD: 25 µm, blown film	270	g	ASTM D1922
TD: 25 µm, blown film	80	g	ASTM D1922
Optical	Nominal Value	Unit	Test Method

Gardner Gloss (45°, 25.4 µm, Blown Film)	70		ASTM D523
Haze (25.4 µm, Blown Film)	5.5	%	ASTM D1003

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#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

