

Petrothene®

M2520

**Low Density Polyethylene
Film Grade**
Melt Index 2.0 Density 0.925
Applications

PETROTHENE M2520 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.

**Regulatory
Status**

M2520 meets the requirements of the Food and Drug Administration, regulation 21 CFR 177.1520. This regulation allows the use of this olefin polymer in "...articles that contact food except for articles used for packing or holding food during cooking." Specific limitations or conditions of use may apply. Contact your Equistar sales representative for more information.

**Processing
Techniques**

Specific recommendations for processing M2520 can only be made when the processing conditions, equipment and end use are known. For further suggestions, please contact your Equistar sales representative.

**Typical
Properties**

Property	Nominal Value	Units	ASTM Test Method
Melt Index	2.0	g/10 min	D 1238
Base Resin Density	0.925	g/cc	D 1558
Haze	5.5	%	D 1003
Gloss @ 60°	95		D 2457
Dart Impact @ 73°	50-60	g	D 1709
Tensile Strength @ Break, MD (TD)	3,400 (2,900)	psi	D 882
Tensile Strength @ Yield, MD (TD)	1,500 (1,700)	psi	D 882
Elongation @ Break, MD (TD)	250 (520)	%	D 882
1% Secant Modulus, MD (TD)	31,000 (35,000)	psi	E 111
Elmendorf Tear, MD (TD)	136 (120)	g	D 1922
Recommended Melt Temperature	320°F (160°C)		

Product	M2520FN	M2520T
Slip, ppm	High	None
Antiblock, ppm	Low	Medium

Film Processing Conditions:

20 Mil Die Gap; BUR 2:1; (1.0 Mil Gauge)

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