



Petrothene®

# NA270001

Low Density Polyethylene  
Specialty Applications Grade

Melt Index 70 Density 0.915

## Applications

Petrothene low density polyethylene (LDPE) polymers can be used in a broad range of applications. LDPE homopolymers can be formulated into a wide range of polymer systems to impart strength, toughness and heat resistance. These materials may contain stabilizers or other additives as required for processing and handling purposes. Contact your Equistar sales or technical service representative for more information and specific recommendations for your application(s).

## Regulatory Status

While many Petrothene low density polyethylene resins comply with Food and Drug Administration (FDA) regulations 21CFR177.1520 and/or 21CFR175.105, specific limitations or conditions of use may apply to certain materials. Please contact your Equistar sales or product safety representative for more information to assist you in determining clearance for a specific resin and intended applications.

## Processing Techniques

Specific suggestions can be made only when equipment, materials, process parameters and conditions of use are known. Contact your Equistar technical service representative for more information.

## Typical Properties

Property	Nominal Value	Units	ASTM Test Method
Melt Index	70	g/10 min	D 1238
Density	0.915	g/cc	D 1505
Tensile Strength @ Break	7.3 / 1,060	Mpa / psi	D 638
Elongation @ Break	100	%	D 638
1% Secant Modulus	123.4 / 17,900	Mpa / psi	D 790
Hardness, Shore D	49		D 2240

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