

Petrothene

LB560401

High Density Polyethylene
Blow Molding Grade

Melt Index 0.35 Density 0.952



Applications

Petrothene LB560401 exhibits good stiffness and environmental stress crack resistance. Typical applications include household chemical and personal care product bottles.

Regulatory Status

LB560401 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 or components of articles intended for use in contact with food." Specific limitations or conditions of use may apply. Contact your Equistar sales representative for more information about the use of specific products for specific applications.

Processing Techniques

Specific recommendations for processing LB560401 can only be made when the processing conditions, equipment and end use are known. For further suggestions, contact your Equistar sales representative.

Typical Properties

Property	Nominal Value	Units	ASTM Test Method
Melt Index	0.35	g/10 min	D 1238
Density	0.952	g/cc	D 1505
Tensile Strength @ Break	3,900	psi	D 638
Elongation @ Break	>600	%	D 638
Flexural Modulus	180,000	psi	D 790
Tensile Impact	115	ft-lb/in	D 1822
Low Temperature Brittleness, F ₅₀	<-76	°C	D 746
Heat Deflection Temperature @ 66 psi	74	°C	D 648
Vicat Softening Point	123	°C	D 1525
Hardness, Shore D	66		D 2240
Environmental Stress Crack Resistance, F ₅₀	25	hrs	D 1693 ¹
	>500	hrs	D 2561

¹ Condition B, 100% Igepal® CO-630

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