

Petrothene®

LH 7350

High Density Polyethylene
Blow Molding Grade

Melt Index 0.35 Density 0.953

Applications

The PETROTHENE LH 7350 series of polyethylene resins exhibit an excellent balance of stiffness and environmental stress crack resistance. Typical applications include bottles for bleach, detergents and household chemicals.

Certification

The base resin LH 7350 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 LH 7350 can be made only when the processing conditions, equipment and end use are known. For further suggestions, contact your Equistar sales representative.

Physical Properties

Nominal Property	Value	ASTM Test Units	Method
Melt Index	0.35	g/10 min	D 1238
Density	0.953	g/cm ³	D 1505
Tensile Strength @ Break	3,900	psi	D 638
Elongation @ Break	900	%	D 638
Flexural Modulus	185,000	psi	D 790
Tensile Impact	120	ft-lb/in. ²	D 1822
Low Temperature Brittleness, F ₅₀	<-76	°C	D 746
Heat Deflection Temperature @ 66 psi	74	°C	D 648
Vicat Softening Point	128	°C	D 1525
Hardness, Shore D	66		D 2240
Environmental Stress Crack Resistance, F ₅₀	50	hrs	D 1693
	>500	hrs	D 2561

Product	LH 7350-01	LH 7350-11
Antistat	None	High

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More detailed safety and disposal information on our products is contained in the Material Safety Data Sheet (MSDS). All users of our products are urged to retain and use the MSDS. A MSDS is automatically distributed upon purchase/order execution. You may request an advance or replacement copy by calling our MSDS Hotline at (800) 700-0946

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