

Preliminary Data Sheet

Petrothene

LR763001

High Density Polyethylene

Blow Molding Grade

Melt Index: 0.35 Density: 0.951

lyondellbasell

Applications

Petrothene LR763001 exhibits an enhanced balance of stiffness and environmental stress crack resistance. Typical applications include bottles for bleach, detergents, and household chemicals.

Regulatory Status

LR763001 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 LR763001 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	0.35	g/10 min	D 1238
Density	0.951	g/cc	D 1505
Tensile Strength @ Yield	3,900	psi	D 638
Elongation @ Break	>500	%	D 638
Flexural Modulus (1% Secant)	169,800	psi	D 790
Tensile Impact	158	ft-lb/in.	D 1822
Low Temperature Brittleness, F ₅₀	<-76	°C	D 746
Vicat Softening Point	126	°C	D 1525
Environmental Stress Crack Resistance, F ₅₀	55	hrs	D 1693 ¹

¹ Condition B, 100% Igepal® CO-630

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Users should review the applicable Material Safety Data Sheet before handling the product.

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