

L4930TC

High Density Polyethylene

Conduit Grade

Melt Index 0.30 Density 0.949

Applications

Alathon L4930TC is a bimodal high density polyethylene copolymer natural resin used by customers for telecommunications conduits. L4930TC offers an excellent balance of stiffness, toughness and ease of processing. Conduits made with this resin are used with fiber optic cable, electrical cable and telecommunications cable. L4930TC meets the material requirements for polyethylene conduit as per ASTM F2160 and also meets the requirements of ASTM D3350 cell classification 435540A.

Processing Techniques

Specific recommendations for processing L4930TC can only be made when the processing conditions, equipment and end use are known.

Typical Properties

Property	Nominal Value	Units	ASTM Test Method
Melt Flow Rates			D1238
@ 190 °C & 2.16 kg	0.30	g/10 min	
@ 190 °C & 5 kg	1.1	g/10 min	
@ 190 °C & 21.6 kg	26	g/10 min	
Density	0.949	g/cc	D1505
Tensile Strength @ Yield	3,600	psi	D638
Elongation @ Break	>600	%	D638
Flexural Modulus (2% Secant)	136,000	psi	D790
Tensile Impact	277	ft-lb/in	D1822
Low Temperature Brittleness, F ₅₀	<-75	°C	D746
Hardness, Shore D	63		D2240
ESCR, Condition B (100% Igepal [®]), F ₅₀	>1000	hrs	D1693
ESCR, Condition B (10% Igepal [®]), F ₅₀	>1000	hrs	D1693
ESCR, Condition C (100% Igepal [®]), F ₂₀	>600	hrs	D1693

[®] Igepal is a registered trademark of Rhône-Poulenc Co., Inc.

These are typical values and not to be construed as specifications limits.

LyondellBasell markets this product through the following entities:

Equistar Chemicals, LP
 Basell Sales & Marketing Company B.V.
 Basell Asia Pacific Limited
 Basell International Trading FZE
 LyondellBasell Australia Pty Ltd

Alathon is a trademark owned or used by the LyondellBasell family of companies. *Alathon* is registered in the U.S. Patent and Trademark Office.

Before using a product sold by a company of the LyondellBasell family of companies, users should make their own independent determination that the product is suitable for the intended use and can be used safely and legally. SELLER MAKES NO WARRANTY; EXPRESS OR IMPLIED (INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY WARRANTY) OTHER THAN AS SEPARATELY AGREED TO BY THE PARTIES IN A CONTRACT.

This product(s) may not be used in:

- (i) any U.S. FDA Class I, Health Canada Class I, and/or European Union Class I medical devices, without prior notification to Seller for each specific product and application; or
- (ii) the manufacture of any of the following, without prior written approval by Seller for each specific product and application: U.S. FDA Class II Medical Devices; Health Canada Class II or Class III Medical Devices; European Union Class II Medical Devices; film, overwrap and/or product packaging that is considered a part or component of one of the aforementioned medical devices; packaging in direct contact with a pharmaceutical active ingredient and/or dosage form that is intended for inhalation, injection, intravenous, nasal, ophthalmic (eye), digestive, or topical (skin) administration; and tobacco related products and applications. Additionally, the product(s) may not be used in: (i) U.S. FDA Class III Medical Devices; Health Canada Class IV Medical Devices; European Class III Medical Devices; (ii) applications involving permanent implantation into the body; (iii) life-sustaining medical applications; and (iv) lead, asbestos or MTBE related applications. All references to U.S. FDA, Health Canada, and European Union regulations include another country's equivalent regulatory classification. Users should review the applicable Material Safety Data Sheet before handling the product.

Equistar Chemicals, LP
 1221 McKinney, Suite 700
 P. O. Box 2583
 Houston, Texas 77252-2583
 (888) 777-0232
www.lyondellbasell.com