

LyondellBasell Alathon® L5332CP High Density Polyethylene

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Extruded

Material Notes:

ApplicationsALATHON L 5332CP, formerly known as LYHD 048, is designed to meet the requirements of AAHTO M294 stress crack resistance. It exhibits excellent processing stability and high crush resistance. Typical applications include corrugated pipe, conduit and profile extruded applications. L 5332CP conforms to ASTM D 3350 cell classification. NCTL > 24 hrs per AASHTO M294.Regulatory StatusL 5332CP 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.ProcessingSpecific recommendations for processing L 5332CP can only be made when the processing conditions, equipment and end use are known.This product is from the former Equistar product line.

Order this product through the following link:

http://www.lookpolymers.com/polymer_LyondellBasell-Alathon-L5332CP-High-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.953 g/cc	0.0344 lb/in ³	ASTM D1505
Melt Flow	0.32 g/10 min	0.32 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	66	66	ASTM D2240
Tensile Strength at Break	36.5 MPa	5300 psi	ASTM D638
Tensile Strength, Yield	22.4 MPa	3250 psi	ASTM D638
Elongation at Break	>= 800 %	>= 800 %	ASTM D638
Elongation at Yield	8.0 %	8.0 %	ASTM D638
1% Secant Modulus	1230 MPa	179000 psi	ASTM D790
Tensile Impact	152 J/cm	285 ft-lb/in	ASTM D1822

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	62.0 Å°C	144 Å°F	ASTM D648
Vicat Softening Point	127 Å°C	261 Å°F	ASTM D1525

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China