

LyondellBasell Alathon® L5876 High Density Polyethylene, Blow Molding Grade

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Blow Molding Grade

Material Notes:

ALATHON L5876 is designed for injection blow molding and extrusion blow molding applications where higher gloss than standard grades is required. Regulatory Status: L5876 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. Specific recommendations for processing L5876 can only be made when the processing conditions, equipment and end use are known. For further suggestions please contact your Equistar sales representative. This product is from the former Equistar product line.

Order this product through the following link:

http://www.lookpolymers.com/polymer_LyondellBasell-Alathon-L5876-High-Density-Polyethylene-Blow-Molding-Grade.php

Physical Properties	Metric	English	Comments
Density	>= 0.956 g/cc	>= 0.0345 lb/in ³	ASTM D1505
Melt Flow	0.74 g/10 min	0.74 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	66	66	ASTM D2240
Tensile Strength, Yield	28.3 MPa	4100 psi	ASTM D638
Elongation at Break	>= 500 %	>= 500 %	ASTM D638
Flexural Modulus	1.34 GPa	195 ksi	ASTM D790
Tensile Impact	85.4 J/cm	160 ft-lb/in	ASTM D1822

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	76.0 Â°C	169 Â°F	ASTM D648
Vicat Softening Point	129 Â°C	264 Â°F	ASTM D1525
Brittleness Temperature	<= -76.0 Â°C	<= -105 Â°F	ASTM D746

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