

LyondellBasell Alathon[®] M6060 High Density Polyethylene

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

Material Notes:

ApplicationsALATHON M 6060 is a medium molecular weight high density homopolymer with extremely low gel content. This resin provides high stiffness and narrow molecular weight distribution for use in cast film applications. Typical applications for this resin are dry food packaging, overwrap and WVTR

Regulatory StatusM 6060 meets the requirements of 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.

Processing TechniquesSpecific recommendations for processing M 6060 can only be made when the processing conditions, equipment and end use are known. For further suggestions, please contact your Equistar sales representative.

Typical Extrusion ConditionsMelt Temperature- 390[°]F(199[°]C)This product is from the former Equistar product line.

Order this product through the following link:

http://www.lookpolymers.com/polymer_LyondellBasell-Alathon-M6060-High-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.960 g/cc	0.0347 lb/in ³	ASTM D792
Melt Flow	6.0 g/10 min	6.0 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	24.1 MPa	3500 psi	ASTM D822
Film Tensile Strength at Yield, TD	25.5 MPa	3700 psi	ASTM D822
Film Elongation at Break, MD	850 %	850 %	ASTM D822
Film Elongation at Break, TD	650 %	650 %	ASTM D822
1% Secant Modulus, MD	793 MPa	115000 psi	ASTM D822
1% Secant Modulus, TD	1030 MPa	150000 psi	ASTM D822

Processing Properties	Metric	English	Comments
Melt Temperature	199 [°] C	390 [°] F	Typical Extrusion

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