

## LyondellBasell Alathon® H6030 High Density Polyethylene

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

### Material Notes:

**Applications**ALATHON H 6030 is a homopolymer that provides enhanced processability, excellent stiffness and short molding cycles.

**Typical applications** include thin wall and deep-draw. **Regulatory Status** H 6030 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 Techniques** Specific recommendations for processing H 6030 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-H6030-High-Density-Polyethylene.php](http://www.lookpolymers.com/polymer_LyondellBasell-Alathon-H6030-High-Density-Polyethylene.php)

Physical Properties	Metric	English	Comments
Density	0.965 g/cc	0.0349 lb/in <sup>3</sup>	ASTM D1505
Melt Flow	30 g/10 min	30 g/10 min	ASTM D1238
Spiral Flow	40.6 cm	16.0 in	Measures the number on inches of flow produced when molten resin is injected into a long, spiral channel (0.625" insert), at a constant injection pressure of 1000 psi with a melt temperature of 440° F; Equistar

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	67	67	ASTM D2240
Tensile Strength at Break	31.6 MPa	4580 psi	ASTM D638
1% Secant Modulus	1500 MPa	217000 psi	Crosshead speed - 0.5" min; ASTM D790
2% Secant Modulus	1.23 GPa	179 ksi	Crosshead speed - 0.5" min; ASTM D790

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	126 Â°C	259 Â°F	ASTM D1525
Brittleness Temperature	<= -76.0 Â°C	<= -105 Â°F	F<sub>50</sub>; ASTM D746

**Contact Songhan Plastic Technology Co.,Ltd.**

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