

**Alathon M6030**

High Density Polyethylene



**Product Description**

Alathon M6030 is a medium molecular weight high density homopolymer with extremely low gel content. Typical applications for this resin are cast film, coextrusion and dry food packaging.

**Regulatory Status**

For regulatory compliance information, see Alathon M6030 [Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

<b>Status</b>	Commercial
<b>Availability</b>	North America
<b>Application</b>	Bags & Pouches; Food Packaging Film; Lamination Film; Secondary Packaging
<b>Market</b>	Flexible Packaging
<b>Processing Method</b>	Cast Film
<b>Attribute</b>	General Purpose; Good Abrasion Resistance; Good Organoleptic Properties; High Density; Low Gel

Typical Properties	Nominal Value	English Units	Nominal Value	SI Units	Test Method
<b>Physical</b>					
Melt Flow Rate, (190 °C/2.16 kg)	3.0	g/10 min	3.0	g/10 min	ASTM D1238
Density, (23 °C)	0.960	g/cm <sup>3</sup>	0.960	g/cm <sup>3</sup>	ASTM D1505
<b>Film</b>					
Tensile Strength at Yield					
MD	3200	psi	22.1	MPa	ASTM D882
TD	4060	psi	28.0	MPa	ASTM D882
Tensile Elongation at Break					
MD	790	%	790	%	ASTM D882
TD	720	%	720	%	ASTM D882
Secant Modulus					
MD	112000	psi	772	MPa	ASTM D882
TD	133000	psi	917	MPa	ASTM D882
Elmendorf Tear Strength					
MD	90	g	90	g	ASTM D1922
TD	90	g	90	g	ASTM D1922

## Notes

Data generated using 2.0 mil cast film.

These are typical property values not to be construed as specification limits.

## Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

## Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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