Technical Data Sheet

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).

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

Typical Properties	Nominal Value	English Units	Nominal Value	SI Units	Test Method
Physical					
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/cm³	0.960	g/cm³	ASTM D1505
Film					
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

Manufacturer website: https://www.lyondellbasell.com/en/

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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