Technical Data Sheet

Alathon M6060

High Density Polyethylene

Product Description

Alathon M6060 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 Status

For regulatory compliance information, see *Alathon* M6060 Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status	Commercial: Active
Availability	North America
Application	Bags & Pouches; Barrier Film; Food Packaging Film; Lamination Film
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)	6.0	g/10 min	6.0	g/10 min	ASTM D1238
Density, (23 °C)	0.960	g/cm³	0.960	g/cm³	ASTM D1505
Film					
Tensile Strength at Yield					
MD	3500	psi	24.1	MPa	ASTM D882
TD	3920	psi	27.0	MPa	ASTM D882
Tensile Elongation at Break					
MD	850	%	850	%	ASTM D882
TD	570	%	570	%	ASTM D882
Secant Modulus					
MD	110000	psi	760	MPa	ASTM D882
TD	130000	psi	895	MPa	ASTM D882

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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