Technical Data Sheet

Alathon H6012

High Density Polyethylene

Product Description

Alathon H6012 is medium molecular weight high density polyethylene homopolymer selected by customers for use in cast film applications. Typical applications for this resin include extrusion coating, blends with LDPE and laminations.

Regulatory Status

For regulatory compliance information, see *Alathon* H6012 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; Sealants; Specialty Film
Market	Flexible Packaging
Processing Method	Cast Film; Extrusion Coating
Attribute	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)	12	g/10 min	12	g/10 min	ASTM D1238
Density, (23 °C)	0.960	g/cm³	0.960	g/cm³	ASTM D1505
Film					
Tensile Strength at Yield					
MD	3700	psi	25.5	MPa	ASTM D882
TD	4600	psi	31.7	MPa	ASTM D882
Tensile Elongation at Break					
MD	850	%	850	%	ASTM D882
TD	350	%	350	%	ASTM D882
Secant Modulus					
MD	135200	psi	930	MPa	ASTM D882
TD	155000	psi	1070	MPa	ASTM D882

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

Notes

Data obtained from 1.0 mil film produced on a cast film line with melt temperature of 350 °F and chill roll temperature of 140 °F.

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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