Technical Data Sheet

Petrothene GA623119

Linear Low Density Polyethylene

Product Description

Petrothene GA623119 is a hexene LLDPE copolymer selected by customers for applications that require high clarity and good stiffness combined with low COF. GA623119 is formulated without TNPP, slip or antiblock additives.

Regulatory Status

For regulatory compliance information, see *Petrothene* GA623119 Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status	Commercial: Active
Availability	North America
Application	Bags & Pouches; Can Liners; Clarity Film; Film Wrap; Food Packaging Film; Lamination Film; Liner Film; Zipper Packaging
Market	Flexible Packaging
Processing Method	Blown Film; Cast Film

Typical Properties	Nominal Value	English Units	Nominal Value	SI Units	Test Method
Physical					
Melt Flow Rate, (190 °C/2.16 kg)	2.0	g/10 min	2.0	g/10 min	ASTM D1238
Base Resin Density, (23 °C)	0.923	g/cm³	0.923	g/cm³	ASTM D1505
Film					
Dart Drop Impact Strength, F50	200	g	200	g	ASTM D1709
Tensile Strength at Break					
MD	5390	psi	37.2	MPa	ASTM D882
TD	5800	psi	40.0	MPa	ASTM D882
Tensile Elongation at Break					
MD	740	%	740	%	ASTM D882
TD	840	%	840	%	ASTM D882
1% Secant Modulus					
MD	36600	psi	252	MPa	ASTM D882
TD	41300	psi	285	MPa	ASTM D882
Elmendorf Tear Strength					
MD	540	g	540	g	ASTM D1922
TD	890	g	890	g	ASTM D1922
Optical					
Haze	5.4	%	5.4	%	ASTM D1003
Gloss	85		85		ASTM D2457

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

Notes

Data obtained from 2.0 mil film produced on a cast film line with melt temperature of 520 °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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