

GA623119

Linear Low Density Polyethylene

Film Extrusion Grade

Melt Index: 2.0 Density: 0.923

Applications

Petrothene GA623119 is a hexene LLDPE copolymer selected by customers for applications that require high clarity and good stiffness combined with low COF. It does not contain slip or antiblock additives.

Regulatory Status

GA623119 meets the requirements of the Food and Drug Administration regulation 21 CFR 177.1520. This regulation allows the use of this olefin polymer in "...articles or components of articles intended for use in contact with food..." Specific limitations or conditions of use may apply. Contact your Equistar product safety representative for more information.

Processing Techniques

Using proper techniques, GA623119 may be readily drawn below 1 mil at optimum production rates. Specific recommendations for extrusion conditions can be made only when the end use, required properties and processing equipment are known.

Typical Properties

Property*	Nominal Value		Units	ASTM Test Method
Melt Index	2.0		g/10 min	D1238
Density	0.923		g/cc	D1505
Film Thickness	1.0	2.0	mil	
Haze	2.4	5.4	%	D1003
Gloss	90	85		D2457
Tensile Strength @ Break, MD (TD)	4,090 (4,200)	5,390 (5,800)	psi	D882
Elongation @ Break, MD (TD)	500 (525)	740 (840)	%	D882
1% Secant Modulus, MD (TD)	39,300 (42,000)	36,600 (41,300)	psi	D882
Elmendorf Tear Strength, MD (TD)	330 (540)	540 (890)	g	D1922
Dart Drop Impact Strength, F ₅₀	135	200	g	D1709

* Testing was performed on cast film produced with a melt temperature of 520°F.

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