

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.

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/cm ³	0.923	g/cm ³	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