

Technical Data Sheet : KeyForm L0601

Low Density Polyethylene

Product Description

The grade F is a non-additivated, low density polyethylene. It is characterized by a good melt strength leading to a good bubble stability during blown film extrusion. Customers report that films made from KeyForm L0601 exhibit a good shrinkage performance, provides the option to produce films with good optical and mechanical properties. It is delivered in pellet form.

Information regarding regulatory status, including supported, prohibited, or restricted applications, is provided in the **Product Regulatory Summary** and the **Safety Data Sheet (SDS)**.

General

Application	Bags & Pouches; Food Packaging Film; Lamination Film; Shrink Film; Surface Protection Film
Market	Flexible Packaging
Processing Method	Blown Film
Attribute	Good Heat Seal; Good Processability; Superior Optical Properties
Internal ref. number	1Q012, BEN8231
Revision	Version 1.1 ; June 2026

Properties.

		Nominal		Test Method
		Value	Units	
Physical				
	Melt Flow Rate, (190 °C/2.16 kg)	0.9	g/10 min	ISO 1133-1
	Density	0.927	g/cm ³	ISO 1183-1
Mechanical				
	Tensile Modulus	300	MPa	ISO 527-1, -2
	Tensile Stress at Yield	12	MPa	ISO 527-1, -2
Film				
	Dart Drop Impact Strength, F50	120	g	ASTM D1709
	Tensile Strength			
	MD	27	MPa	ISO 527-1, -3
	TD	22	MPa	ISO 527-1, -3
	Tensile Strain at Break			
	MD	300	%	ISO 527-1, -3
	TD	600	%	ISO 527-1, -3
	Coefficient of Friction	>0.8		ISO 8295
Impact				
	Failure Energy (Film thickness: 70 µm)	4	J/mm	DIN 53373
Thermal				
	Vicat Softening Temperature, (A/50)	100	°C	ISO 306
	Peak Melting Point	114	°C	ISO 11357-3
Optical				
	Haze, (50 µm)	<7	%	ASTM D1003

Gloss			
	(20°)	>50	ASTM D2457
	(60°)	>100	ASTM D2457
Additional Information			
Test Specimen		Film	
Film properties tested using 50 um thickness blown film extruded at a melt temperature of 180°C and a blow-up ratio of 2.5:1.			
Processing Parameters			
Extrusion Temperature		170-220	°C
*) These are typical property values not to be construed as specification limits.			

Processing Techniques

Users should determine the conditions necessary to obtain optimum product properties and suitability of the product for the intended application.

In cases where higher temperatures are required, please contact your appropriate technical contact for support.

Company Information

For further information regarding the Velogy, please visit <http://www.velogy.com>
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