

Technical Data Sheet : KeyForm L0801

Low Density Polyethylene

Product Description

The grade is a non-additivated, low density polyethylene. It is characterized by a good balance between processability and mechanical properties. Customers report that films made from KeyForm L0801 exhibit a glossy surface finish, provides the option to produce films with very good optical 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	1Q013, BEN8233
Revision	Version 1.1 ; June 2026

Properties.

		Nominal		Test Method
		Value	Units	
Physical				
Melt Flow Rate, (190 °C/2.16 kg)		2	g/10 min	ISO 1133-1
Density		0.928	g/cm ³	ISO 1183-1
Mechanical				
Tensile Modulus		300	MPa	ISO 527-1, -2
Tensile Stress at Yield		13	MPa	ISO 527-1, -2
Film				
Dart Drop Impact Strength, F50		110	g	ASTM D1709
Tensile Strength				
MD		25	MPa	ISO 527-1, -3
TD		20	MPa	ISO 527-1, -3
Tensile Strain at Break				
MD		350	%	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°)	>70	ASTM D2457
	(60°)	>110	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		160-200	°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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