

Technical Data Sheet : KeyForm H0301

High Density Polyethylene

Product Description

The polymer grade is a high density polyethylene resin which possesses an outstanding combination of stiffness and impact performance. Can be processed on blown film lines at high output rates with excellent bubble stability, very low gel levels and homogeneous appearance which converters and end-users require for high quality thin and thick film production. The grade can enable the production of films with a very broad conversion window, good lay flat properties and excellent roll configuration. Typical applications are lamination and release films, artificial paper, labels, bags and heavy duty packaging.

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

General

Applications	Bags & Pouches; Food Packaging Film; Heavy Duty Packaging; Lamination Film; Products for Use in Property Modification
Market	Flexible Packaging
Processing Method	Blown Film
Attribute	Antioxidant; Good Drawdown; Good Toughness; High Rigidity; Low Gel
Internal ref. number	1Q359, BEN7779
Revision	Version 1 : June 2026

Properties.

Typical Properties		Nominal Value*	Units	Test Method
Physical				
	Melt Flow Rate			
	(190 °C/5.0 kg)	0.4	g/10 min	ISO 1133-1
	(190 °C/21.6 kg)	12	g/10 min	ISO 1133-1
	Density	0.957	g/cm ³	ISO 1183-1
Mechanical				
	Tensile Modulus	1350	MPa	ISO 527-1, -2
Film				
	Dart Drop Impact Strength	>200	g	ASTM D1709
	Tensile Strength			
	MD	75	MPa	ISO 527-1, -3
	TD	65	MPa	ISO 527-1, -3
	Tensile Strain at Break			
	MD	400	%	ISO 527-1, -3
	TD	470	%	ISO 527-1, -3
Thermal				
	Vicat Softening Point	76	°C	ISO 306
	Peak Melting Point	133	°C	ISO 11357-3
Additional Information				

Test Specimen	Film
Film properties tested using 20 µm thickness blown film extruded at a melt temperature of 210°C, long stalk process, blow-up ratio 4 : 1.	
Processing Parameters	
Melt Temperature	200-230 °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.

Company Information

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