

Technical Data Sheet : KeyForm H0501

High Density Polyethylene

Product Description

The grade is a high density polyethylene having medium molar mass and special narrow molar mass distribution for production of tapes. The grade shows very good bubble stability and processability and is appreciated by customers for converting on all tape stretching lines to produce products with outstanding mechanical properties and low tendency to fibrillation. The grade gives excellent tensile strength and good elongation at break in the final tapes.

Typical customer application: Round bale nets

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	Geotextile & Agriculture; Nets; Raffia, Tapes, Strapping
Market	Textile, Agriculture
Processing Method	Blown Film
Attribute	Antioxidant; High Tensile Strength; Narrow Molecular Weight Distribution
Internal ref. number	1Q161, BEN13381
Revision	Version 1.1 ; June 2026

Properties.

Typical Properties	Nominal Value ^{*)}	Units	Test Method
Physical			
Melt Flow Rate			
(190 °C/5.0 kg)	1.6	g/10 min	ISO 1133-1
(190 °C/21.6 kg)	16	g/10 min	ISO 1133-1
Density	0.946	g/cm ³	ISO 1183-1
Mechanical			
Tensile Modulus	900	MPa	ISO 527-1, -2
Tensile Stress at Yield	23	MPa	ISO 527-1, -2
Thermal			
Vicat Softening Temperature, (B50)	75	°C	ISO 306
Peak Melting Point	130	°C	ISO 11357-3
Processing Parameters			
Extrusion Temperature	180-230	°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.

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



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Company Information

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

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