

Technical Data Sheet : KeyForm H0500

High Density Polyethylene

Product Description

The grade is a high density polyethylene having medium molar mass and a narrow molar mass distribution for production of tapes and is appreciated by customers for converting on all tape stretching and film stretching lines to produce products with high tensile strength, high elongation at break and low tendency to fibrillation. Typical customer applications: protective netting in agriculture and building industry, slit film & tapes, 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; Narrow Molecular Weight Distribution
Internal ref. number	1Q172, BEN6419
Revision	Version 1.1 ; June 2026

Properties.

Typical Properties	Nominal Value ^{*)}	Units	Test Method
Physical			
Melt Flow Rate			
(190 °C/5.0 kg)	1.8	g/10 min	ISO 1133-1
(190 °C/21.6 kg)	18	g/10 min	ISO 1133-1
Density	0.948	g/cm ³	ISO 1183-1
Mechanical			
Tensile Modulus	1000	MPa	ISO 527-1, -2
Tensile Stress at Yield	24	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

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