Teldene® H35FBF

Lyondellbasell licensed Spheripol Process

POLYPROPYLENE HOMOPOLYMER

Technical Data Sheet

Typical Applications

- HOMO polymer reactor grade suitable for extrusion application
- Potential grade for spun-bond application and non-woven products
- Suitable for bulk continuous filaments (BCF), continuous filaments (CF), Partially Oriented Yarn (POY), High Tenacity Yarn (HTY), and staple fiber
- It can be used for diapers, hygiene feminine pads, and carpet applications

Key Characteristics

- Formulated with Phenol-Free anti-gas fading and UV stabilizing Package.
- Suitable for Reifenhauser machines Reicofil - 3&4

Resin	*Conditions*	*Method*	*Value*	*Unit*
Density	23°C	ISO 1183	*0.900*	g/cm^3
Melt Flow Rate (MFR)	230°C/2.16 kg	ASTM D 1238-13	*35*	g/10-min
Mechanical				
Flexural Modulus		ISO 178	*1403*	MPa
Tensile modulus		ISO 527-1,2	*1427*	MPa
Tensile Stress at Break	50-mm/min	ISO 527	*34*	MPa
Tensile Strain at Break	50-mm/min	ISO 527	*> 30*	%
Tensile Strain at Yield	50-mm/min	ISO 527	*22*	%
Izod $_{Notched}$	23°C	ISO 180	*4.5*	kJ/m^2
Thermal				
Heat Deflection Temperature	0.45 MPa Un-annealed	ISO 75B	*110*	°C
Vicat Softening Temperature	A50 (50°C/h 10N)	ISO 306	*155*	°C

Technical information

Note: The above are typical data representing the product; not to be construed as analysis certificate or specifications.

For further details about ***NATPET*** and its products, please visit the website at www.natpet.com

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Special Features

- **Non-Woven application**

  - Suitable for hygiene feminine pads and diapers

  - The grade performed excellent on Reicofil machine

- **Woven application**

  - Shows broad processing window while providing excellent mechanical properties

  - Suitable for Neumag S^+ machine providing high quality products

Processing Conditions

Average extruder temperature range may be kept between 220-235°C.

Food Regulation

This product is defined as a preparation under specific food contact regulation. Detailed information will be provided in a relevant document "Regulatory Compliances Product Declaration" upon request.

Storage and Handling

Polypropylene resin should be stored to prevent a direct exposure to sunlight and heat. The Product estimated shelf life is one year starting from production date, adequate humidity below 80%, and temperature below 40°C. Customers might not fully follow the optimal storage condition, hence the shelf life recommended at customer site is six months only as received. Please refer to "**Material Safety Datasheet**" (MSDS) for handling and storage information.

Documents

Specific documents MSDS and RCPD are available on request. Please send your request to the following e-mail: pa@natpet.com or visit our website : WWW.natpet.com

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