Teldene® H12ML Lyondellbasell licensed Spheripol Process

POLYPROPYLENE HOMOPOLYMER

Technical Data Sheet

Typical Applications

- Used for the production of furniture, crates, containers, caps and closures
- General purpose injection molding application

Key Characteristics

- Good flow properties, High Stiffness
- Food contact approval for specific applications (refer to *NATPET*)

Processing Methods

- Injection Molding

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	*12*	g/10-min
Mechanical				
Flexural Modulus		ISO 178	*1,500*	MPa
Tensile Stress at Break	50-mm/min	ISO 527	*26*	MPa
Tensile Stress at Yield	50-mm/min	ISO 527	*35*	MPa
Tensile Strain at Break	50-mm/min	ISO 527	*> 50*	%
Tensile Strain at Yield	50-mm/min	ISO 527	*13*	%
Izod Notched	23°C	ISO 180	*3.9*	kJ/m^2
Thermal				
Heat Deflection Temperature	0.45 MPa Un-annealed	ISO 75B	*91*	°C
Vicat Softening Temperature	A50 (50°C/h 10N)	ISO 306	*152*	°C
Additional				
Tensile Modulus	1-mm/min	ISO 527	1,550	MPa

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

Shows broad processing window while providing good mechanical properties

Processing Conditions

Average extruder temperature range may be kept between 240 - 260°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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