Heterophasic Copolymer

TELDENE [B07ML] TDS

LyondellBasell Licensed Spheripol Process

NATPET

Typical Applications

- Used for the production of injection molding products requiring a good resistance to long term heat exposure, especially for battery cases, automotive components and large containers
- Compounding applications

Key Characteristics

- Medium fluidity
- Good balance of impact and stiffness
- Low warpage tendency
- Good heat aging resistance
- Good dimensional stability
- Formulated with a highly effective heat stabilization package
- Food contact approval for specific applications (refer to *NATPET*)

Processing Method

- Injection Molding

Qualitative

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 1238-10	*7.0*	g/10-min
Mechanical				
Flexural Modulus		ISO 178	*1,110*	MPa
Tensile Stress at Yield	50-mm/min	ISO 527	*27*	MPa
Tensile Strain at Break	50-mm/min	ISO 527	*> 50*	%
Tensile Strain at Yield	50-mm/min	ISO 527	*7*	%
Charpy Un-notched	23 °C, Type 1, Edgewise	ISO 179	*No Break*	kJ/m^2
	0 °C, Type 1, Edgewise	ISO 179	*140*	kJ/m^2
	-20 °C, Type 1, Edgewise	ISO 179	*80*	kJ/m^2
Charpy Notched	23 °C, Type 1, Edgewise	ISO 179	*7.5*	kJ/m^2
	0 °C, Type 1, Edgewise	ISO 179	*4.5*	kJ/m^2
	-20 °C, Type 1, Edgewise	ISO 179	*3.5*	kJ/m^2
Thermal				
Heat Deflection Temperature	0.45 MPa Un-annealed	ISO 75B	*70*	°C
Vicat Softening Temperature	A50 (50°C/h 10N)	ISO 306	*148*	°C
Additional				
Tensile Modulus	1-mm/min	ISO 527	*1,200*	MPa
Izod Notched	23°C	ASTM D 256	*8.3*	kJ/m^2

Note

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

NATPET® products, marketed under the trade name Teldene®, are intended for the use by those customers and/or any other consumers, who undertake to become responsible to independently establish on their own the appropriateness of the product for its intended use, covering all safety and legally enacted requirements at the location of its projected use and the legal disposal practices thereof. The description of the product as given in this sheet shall under no circumstances be construed as warranty, express or implied including a warranty of merchandize fitness for a particular purpose. On behalf of NATPET, no one is authorized to make any such warranties, or take up on their own to assume such a liability. In case of product related claims, the sole and maximum remedy will be the physical substitution of the product or reimbursement of the purchase value, as per NATPET's options. Further claims based on consequential, secondary, castigatory, or extraordinary damages will in no way entertained by NATPET.
NATPET would like to advise its customers and other users that unless specifically stated the supplied products should not be used for applications in medical and/or pharmaceutical sectors.

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Special Features

- Amazing result on battery cases articles
- Broad processing window, excellent flowability at optimized molding temperatures

Processing Conditions

Average injection temperature range may be kept between 230 - 240°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” on request.

Storage and Handling

Polypropylene resin should be stored to prevent a direct exposure to sunlight and heat. Please refer to “Material Safety Datasheet” (MSDS) for handling and storage information.

Documents

Legal documents and MSDS are available on request. Please send your request to the following e-mail: technicalsupport@natpetpp.com

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