

TYPICAL APPLICATIONS

- ◆ Injection Molding
- ◆ Used for the production of thin-walled articles containers ,toys ,vacuum flasks ,household and kitchen articles
- ◆ Components for compounding and master batches application

KEY CHARACTERISTICS

- ◆ high fluidity
- ◆ High stiffness
- ◆ Outstanding processability
- ◆ Easy mould filling
- ◆ Short cycle times
- ◆ Good dimensional stability and high stiffness
- ◆ Food contact approval for specific applications (*refer to **NATPET***)

PROCESSING METHOD

Injection Molding

QUALITATIVE

Test	Conditions	Method	Value	Unit
Basic				
<i>Density</i>	23 °C	ISO 1183	0.90	g/cm ³
<i>Melt Flow Rate (MFR)</i>	230°C/2.16 kg	ISO 1133	25	g/10-min
Mechanical				
<i>Flexural Modulus</i>	50-mm/min	ISO 178	1,500	MPa
<i>Tensile Stress at Yield</i>	50-mm/min	ISO R 527	32.0	MPa
<i>Elongation at Yield</i>	50-mm/min	ISO R 527	13	%
<i>Izod Impact Strength notched</i>	23 °C	ISO 180	3	kJ/m ²
<i>Hardness Shore D</i>	23 °C	ISO 868	72	points
Thermal				
<i>Heat Deflection Temperature B</i>	0.46 MPa Un-annealed	ISO 75B	94	°C
<i>Vicat Softening Temperature</i>	A50 (50°C/h 10N)	ISO 306A	152	°C
<i>Accelerated oven ageing in air</i>	(forced circulation) at	ISO 4577	360	hours

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 merchandise 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.

150°C

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.natpetpp.com

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.

NP-TSS-TDS-00A