

**Technical Data Sheet**

**Typical Applications**

- Used for the production of thin-walled articles, containers, boxes, caps & closures, household articles and toys
- Components of compounding applications

**Key Characteristics**

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

**Processing Methods**

- Injection Molding

<i>Resin</i>	<i>Conditions</i>	<i>Method</i>	<i>Value</i>	<i>Unit</i>
<i>Density</i>	23°C	ISO 1183	0.900	g/cm <sup>3</sup>
<i>Melt Flow Rate (MFR)</i>	230°C/2.16 kg	ASTM D 1238-13	16	g/10-min
<b>Mechanical</b>				
<i>Flexural Modulus</i>		ISO 178	1,550	MPa
<i>Tensile Stress at Yield</i>	50-mm/min	ISO 527	35	MPa
<i>Tensile Strain at Yield</i>	50-mm/min	ISO 527	13	%
<i>Izod</i> <small>Notched</small>	23°C	ISO 180	3	kJ/m <sup>2</sup>
<b>Thermal</b>				
<i>Heat Deflection Temperature</i>	0.45 MPa Un-annealed	ISO 75B	115	°C
<i>Vicat Softening Temperature</i>	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.

DS v3.1

For further details about *NATPET* and its products, please visit the website at [www.natpet.com](http://www.natpet.com)

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*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**

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**

Legal documents MSDS and RCPD are available on request. Please send your request to the following e-mail: [pa@natpet.com](mailto:pa@natpet.com) or visit our website : [WWW.natpet.com](http://WWW.natpet.com)