

**Technical Data Sheet**

**Typical Applications**

- Production of bulk continuous filaments (BCF), continuous filaments (CF) and staple fiber
- Specially used for carpet and upholstery application
- Used for automotive compounding application

**Key Characteristics**

- Formulated with anti-gas fading stabilization package
- Reactor grade (no peroxide added)

**Processing Methods**

- Fiber (spinning) Extrusion
- Bulk Filaments Extrusion
- Co-Extrusion

<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	25	g/10-min
<b>Mechanical</b>				
<i>Flexural Modulus</i>		ISO 178	1,700	MPa
<i>Tensile Stress at Break</i>	50-mm/min	ISO 527	36	MPa
<i>Tensile Strain at Break</i>	50-mm/min	ISO 527	> 50	%
<i>Tensile Strain at Yield</i>	50-mm/min	ISO 527	10	%
<i>Izod Notched</i>	23°C	ISO 180	2.2	kJ/m <sup>2</sup>
<b>Thermal</b>				
<i>Heat Deflection Temperature</i>	0.45 MPa Un-annealed	ISO 75B	89	°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.

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### **Special Features**

- **Woven application**
  - Shows broad processing window while providing excellent mechanical properties
  - Tested on Neumag S+ machine and qualified by Neumag in their polymer recommendation list
- **Non-Woven application**
  - Tested on Reicofil® 3

### **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, trial reports and machine builder certificate are available on request. Please send your request to the following e-mail: [pa@natpet.com](mailto:pa@natpet.com)