

**Technical Data Sheet**

**Typical Applications**

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

**Key Characteristics**

- Formulated with Phenol-Free anti-gas fading and UV stabilizing Package.
- Enable to run the processes faster than the guaranteed speeds for the Neumag S+ machines.

Resin	Conditions	Method	Value	Unit
Density	23 °C	ISO 1183	0.900	g/cm <sup>3</sup>
Melt Flow Rate (MFR)	230 °C/2.16 kg	ASTM D 1238-13	25	g/10-min
<b>Mechanical</b>				
Flexural Modulus		ISO 178	1550	MPa
Tensile modulus		ISO 527-1,2	1622	MPa
Tensile Stress at Break	50-mm/min	ISO 527	36	MPa
Tensile Strain at Break	50-mm/min	ISO 527	> 50	%
Tensile Strain at Yield	50-mm/min	ISO 527	10	%
Izod <small>Notched</small>	23 °C	ISO 180	4.5	kJ/m <sup>2</sup>
<b>Thermal</b>				
Heat Deflection Temperature	0.45 MPa Un-annealed	ISO 75B	110	°C
Vicat Softening Temperature	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<sup>+</sup> machine and qualified by Neumag in their polymer recommendation list
- Non-Woven application
  - Tested on Reicofil<sup>®</sup> 3

### **Processing Conditions**

Average extruder temperature range may be kept between 220-235 °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)