

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

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 D 1238-13	25	g/10-min
Mechanical				
Flexural Modulus		ISO 178	1,700	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	2.2	kJ/m ²
Thermal				
Heat Deflection Temperature	0.45 MPa Un-annealed	ISO 75B	89	°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.

DS v3.1

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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

- 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

Specific documents MSDS and RCPD are available on request. Please send your request to the following e-mail: pa@natpet.com or visit our website : WWW.natpet.com