

Technical Data Sheet

Typical Applications

- Production of filament yarn, staple fiber, non-woven application
- Specially used for Geotextile, agriculture and building application
- Used for furniture application

Key Characteristics

- Formulated with anti-gas-fading and UV stabilization package
- High-tenacity

Processing Methods

- Extrusion of continuous filament/spinning
- Extrusion of fibers, staple fibers

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	4.5	g/10-min
Mechanical				
Flexural Modulus		ISO 178	1,500	MPa
Tensile Stress at Yield	50-mm/min	ISO 527	34	MPa
Tensile Strain at Yield	50-mm/min	ISO 527	11	%
Thermal				
Heat Deflection Temperature	0.45 MPa Un-annealed	ISO 75B	90	°C
Vicat Softening Temperature	A50 (50°C/h 10N)	ISO 306	153	°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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Processing Conditions

Average extruder temperature range may be kept between 240 – 260°C.

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