

### Technical Data Sheet

#### Typical Applications

- Food packaging film
- Textile packaging film
- Potential end user applications include packaging for hosiery, shirts, other textile and shopping bags
- Especially suitable for Water Quenched Tubular film (IPP)

#### Key Characteristics

- Excellent anti-blocking properties
- High clarity
- Good processability
- Good stiffness
- High slip
- Food contact approval for specific applications (*refer to NATPET*)

#### Processing Methods

- Blown film
- Injection molding

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	11	g/10-min
<b>Mechanical</b>				
Flexural Modulus		ISO 178	1,450	MPa
Tensile Stress at Yield	50-mm/min	ISO 527	35	MPa
Tensile Strain at Yield	50-mm/min	ISO 527	10	%
Izod <i>Notched</i>	23°C	ISO 180	2.5	kJ/m <sup>2</sup>
<b>Thermal</b>				
Heat Deflection Temperature	0.45 MPa Un-annealed	ISO 75B	94	°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**

Shows broad processing window while providing good mechanical properties

#### **Processing Conditions**

Average extruder temperature range may be kept between 220 - 230°C. Quench temperature 33°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)