

Technical Data Sheet

Typical Applications

- Suitable for high clarity injection molding and thin-wall applications with nucleation and antistatic additives.
- Offers a high flow-ability, an excellent transparency and organoleptic friendly.
- Used for the production of housewares and cosmetic packaging, TWIM articles for food and non-food applications, CD cases and caps & closures and component parts for electric appliances and automotive industry

Key Characteristics

- Nucleated random copolymer, contains anti-static agent
- Reactor grade, no per-oxide added
- Suitable for food packaging and good organoleptic effect
- Excellent process-ability and flow-ability
- Excellent transparency and dimensional stability
- Good impact resistance
- Potential for energy and cycle time saving
- Food contact approval for specific applications (refer to NATPET)

<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 ³
<i>Melt Flow Rate (MFR)</i>	230 °C/2.16 kg	ASTM D 1238-13	70	g/10-min
Mechanical				
<i>Flexural Modulus</i>	2mm/min	ISO 178	1090	MPa
<i>Tensile Modulus</i>	1mm/min	ISO 527	1022	MPa
<i>Tensile Stress at Yield</i>	50-mm/min	ISO 527	30	MPa
<i>Tensile Strain at Break</i>	50-mm/min	ISO 527	> 50	%
<i>Tensile Strain at Yield</i>	50-mm/min	ISO 527	14	%
Thermal				
<i>Heat Deflection Temperature</i>	0.45 MPa Un-annealed	ISO 75B	74	°C
<i>Vicat Softening Temperature</i>	A50 (50 °C/h 10N)	ISO 306	130	°C
Additional				
<i>Izod Notched</i>	23 °C	ISO 180	5.5	kJ/m ²
<i>Haze</i>	1.0 mm	ASTM D 1003	7.5	%

Technical information

Note: The above are typical data representing the product; not to be construed as analysis certificate or specifications.

DS v1.0

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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

- Brilliant result on transparent articles
- Suitable for broad processing window providing excellent clarity at even low molding temperature
- Energy saving

Processing Conditions

Average extruder temperature range may be kept between 190 - 210°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