

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)

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	70	g/10-min
Mechanical				
Flexural Modulus	2mm/min	ISO 178	1090	MPa
Tensile Modulus	1mm/min	ISO 527	1022	MPa
Tensile Stress at Yield	50-mm/min	ISO 527	30	MPa
Tensile Strain at Break	50-mm/min	ISO 527	> 50	%
Tensile Strain at Yield	50-mm/min	ISO 527	14	%
Thermal				
Heat Deflection Temperature	0.45 MPa Un-annealed	ISO 75B	74	°C
Vicat Softening Temperature	A50 (50 °C/h 10N)	ISO 306	130	°C
Additional				
Izod <small>Notched</small>	23 °C	ISO 180	5.5	kJ/m ²
Haze	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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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

Supporting documents, MSDS, RCPD are available on our website www.natpet.com