

Typical Applications

- Used for the production of house wares, toys, small appliance parts, and components for automotive industry
- Used for Raffia

Key Characteristics

- Good processability
- Good Stiffness
- Bi-modal grade with broad MWD
- Food contact approval for specific applications (refer to NATPET)

Processing Methods

- Extrusion & Co-Extrusion
- Injection Molding

Qualitative

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 1238-10	3.2	g/10-min
Mechanical				
Flexural Modulus		ISO 178	1,470	MPa
Tensile Stress at Break	50-mm/min	ISO 527	23	MPa
Tensile Stress at Yield	50-mm/min	ISO 527	34	MPa
Tensile Strain at Break	50-mm/min	ISO 527	> 50	%
Tensile Strain at Yield	50-mm/min	ISO 527	12	%
Izod Notched	23°C	ASTM D 256	5.1	kJ/m ²
Thermal				
Heat Deflection Temperature	0.45 MPa Un-annealed	ISO 75B	85	°C
Vicat Softening Temperature	A50 (50°C/h 10N)	ISO 306	154	°C
Additional				
Tensile Modulus	1-mm/min	ISO 527	1,500	MPa

Note

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

For further details about NATPET and its products, please visit the website at www.natpetpp.com

Homopolymer

TELDENE

LyondellBasell Licensed Spheripol Process

H03ML

TDS



Special Features

- Raffia
 - Tested on Starlinger machine Starex 1500ES
 - Recommended for high speed Raffia machines
- Shows broad processing window while providing good mechanical properties

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" on request.

Storage and Handling

Polypropylene resin should be stored to prevent a direct exposure to sunlight and heat. 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: technicalsupport@natpetpp.com

For further details about NATPET and its products, please visit the website at www.natpetpp.com

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