Teldene® R40MLC

LyondellBasell licensed Spheripol Process

POLYPROPYLENE RANDOM COPOLYMER

NATPET

HUZUR

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Technical Data Sheet

Typical Applications

- Suitable for high clarity injection molding and Injection-Stretch Blow Molding (ISBM) applications
- Used for the production of housewares and cosmetic packaging, TWIM articles for food and non-food applications, caps & closures and component parts for automotive industry

Key Characteristics

- Organoleptically suitable for food contact
- Nucleated random copolymer, contains anti-static agent
- Excellent processability and flow-ability
- Excellent transparency and dimensional stability
- Good impact resistance
- Reactor grade, no per-oxide added
- Food contact approval for specific applications (*refer to* ***NATPET***)

Processing Methods

- Injection Molding

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	*40*	g/10-min
Mechanical				
Flexural Modulus		ISO 178	*1,100*	MPa
Tensile Stress at Yield	50-mm/min	ISO 527	29	MPa
Tensile Strain at Break	50-mm/min	ISO 527	> 50	%
Tensile Strain at Yield	50-mm/min	ISO 527	*12*	%
Thermal				
Heat Deflection Temperature	0.45 MPa Un-annealed	ISO 75B	*73*	°C
Vicat Softening Temperature	A50 (50°C/h 10N)	ISO 306	*125*	°C
Additional				
Tensile Modulus	1-mm/min	ISO 527	*1,000*	MPa
Izod $_{Notched}$	23°C	ISO 180	*5.4*	kJ/m^2
Haze	1.0 mm	ASTM D 1003	*9.0*	%

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

- Amazing result on transparent articles
- Shows broad processing window with excellent clarity

Processing Conditions

Average extruder temperature range may be kept between 210 - 245°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