

Teldene® R40MLT

Polypropylene Random Copolymer
National Petrochemical Industries Company (NATPET)

Message:

- 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, CD cases, caps and 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
- Potential for energy and cycle time saving
- Reactor grade, no per-oxide added
- Suitable for defined medical/Pharm-packaging applications, subject to NATPET approval
- Food contact approval for specific applications (refer to NATPET)

General Information	
Additive	Nucleating agent
	Antistatic property
Features	Excellent Processability
	High Dimensional Stability
	Nucleated
	Antistatic property
	Impact resistance, good
	Definition, high
	Compliance of Food Exposure
	Random copolymer
Uses	Cosmetic Packaging
	Non-specific food applications
	Shield
	Household goods
	Application in Automobile Field
	Shell
	Drug packaging
Appearance	Medical packaging
	Clear/transparent
Processing Method	Injection Stretch Blow Molding
	Extrusion

Injection molding

Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.900	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	40	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1000	MPa	ISO 527-2/1
Tensile Stress (Yield)	29.0	MPa	ISO 527-2/50
Tensile Strain			ISO 527-2/50
Yield	12	%	ISO 527-2/50
Fracture	> 50	%	ISO 527-2/50
Flexural Modulus	1100	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	5.4	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	73.0	°C	ISO 75-2/B
Vicat Softening Temperature	125	°C	ISO 306/A50
Optical	Nominal Value	Unit	Test Method
Haze (1000 µm)	6.0	%	ASTM D1003
Extrusion	Nominal Value	Unit	Test Method
Melt Temperature	190 - 210	°C	

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