Teldene® B07ML

Polypropylene Impact Copolymer

National Petrochemical Industries Company (NATPET)

Message:

Typical Applications
Used for the production of injection molding products requiring a good resistance to long term heat exposure, especially for battery cases, automotive components and large containers
Automotive compounding applications
Key Characteristics
Medium fluidity
Good balance of impact and stiffness
Low warpage tendency
Good heat aging resistance
Good dimensional stability
Formulated with a highly effective heat stabilization package
Food contact approval for specific applications (refer to NATPET)

General Information	
Additive	heat stabilizer
Features	Good dimensional stability Low warpage Impact copolymer Good heat aging resistance Medium liquidity Thermal Stability Compliance of Food Exposure
Uses	Battery box Application in Automobile Field Container
Processing Method	Extrusion Injection molding

Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.900	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	7.0	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	1200	MPa	ISO 527-2/1
Tensile Stress (Yield)	27.0	MPa	ISO 527-2/50
Tensile Strain			ISO 527-2/50
Yield	7.0	%	ISO 527-2/50
Fracture	> 50	%	ISO 527-2/50

Flexural Modulus	1100	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179/1e
-20°C	3.5	kJ/m²	ISO 179/1e
0°C	4.5	kJ/m²	ISO 179/1e
23°C	7.5	kJ/m²	ISO 179/1e
Charpy Unnotched Impact Strength			ISO 179/1eU
-20°C	80	kJ/m²	ISO 179/1eU
0°C	140	kJ/m²	ISO 179/1eU
23°C	No Break		ISO 179/1eU
Notched Izod Impact (23°C)	5.4	kJ/m²	ISO 180
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature (0.45 MPa, Unannealed)	70.0	°C	ISO 75-2/B
Vicat Softening Temperature	148	°C	ISO 306/A50
Optical	**Nominal Value**	**Unit**	**Test Method**
Haze (1000 µm)	6.0	%	ASTM D1003
Extrusion	**Nominal Value**	**Unit**	
Melt Temperature	190 - 210	°C	

Recommended distributors for this material

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