

Teldene® H03ML

Polypropylene Homopolymer
National Petrochemical Industries Company (NATPET)

Message:

Teldene® H03ML is a Polypropylene Homopolymer (PP Homopolymer) material. It is available in Africa & Middle East, Asia Pacific, or Europe for injection molding.

Important attributes of Teldene® H03ML are:

- Food Contact Acceptable
- Good Processability
- Good Stiffness
- Homopolymer

Typical applications include:

- Appliances
- Automotive
- Consumer Goods
- Household Applications

General Information			
Features	Food Contact Acceptable		
	Good Processability		
	Good Stiffness		
	Homopolymer		
Uses	Appliance Components		
	Automotive Applications		
	Household Goods		
	Toys		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.2	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	4.30	cm ³ /10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness	74.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1500	MPa	ISO 527-2/1
Tensile Stress (Yield)	34.0	MPa	ISO 527-2/50
Tensile Strain (Break)	> 50	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	4.0	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	170	kJ/m ²	ISO 179

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	85.0	°C	ISO 75-2/B
Vicat Softening Temperature			
--	154	°C	ISO 306/A50
--	90.0	°C	ISO 306/B50

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