TDS TECHNICAL DATA SHEET

PP HP500M

Polypropylene Homopolymer · Injection Moulding Grade

Also traded as **Homopolymer** · Origin: **Iran**

MFR (230 °C / 2.16 kg)	DENSITY	PROCESS	FLEXURAL MODULUS
9 g/10 min	**0.90** g/cm³	**Injection**	**1550** MPa

PRODUCT DESCRIPTION

PP HP500M is a polypropylene homopolymer for injection moulding whose good flow properties give easy processing and high-stiffness articles. It is widely used for food containers, housewares, toys and garden furniture, appliance components and automotive parts. Suitable for food contact.

- Good flow
- Easy processing
- High stiffness
- Food-contact grade

PROCESSING GUIDE

Process	**Injection moulding**
Melt temperature	**200 – 250 °C**
Mould temperature	**20 – 50 °C**
Form	**Natural pellets**

TYPICAL PROPERTIES

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE
PHYSICAL			
Melt Flow Rate (230 °C / 2.16 kg)	ASTM D1238	g/10 min	**9**
Density	ASTM D1505	g/cm³	**0.90**
MECHANICAL			
Flexural Modulus	ASTM D790	MPa	**1550**
Tensile Strength at Yield	ASTM D638	MPa	**35**
Tensile Elongation at Yield	ASTM D638	%	**12**
Izod Impact, notched (23 °C)	ASTM D256	J/m	**37**
THERMAL			
Vicat Softening Point (B/120)	ASTM D1525	°C	**154**
HDT (0.45 MPa)	ASTM D648	°C	**95**
Oven Ageing in Air (150 °C)	ASTM D3012	h	**360**
MECHANICAL			
Rockwell Hardness	ASTM D785	R scale	**102**

APPLICATIONS


Food Containers


Housewares


Garden Furniture


Appliance & Auto Parts

PACKAGING

- **25 kg** PE / woven bags
- Palletised or jumbo on request
- 20′ / 40′ container loading

SUPPLY

- Delivery **ex-factory or at border**
- 100% pre-shipment inspection
- Full export documentation

Get Today's Price

Scan to request a quote for PP HP500M on WhatsApp.

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