TDS TECHNICAL DATA SHEET

HDPE 62N07

High Density Polyethylene · Injection Moulding Grade

Also traded as **HD62N07** · **N07** · Origin: **Iran**

MFR (190 °C / 2.16 kg)	DENSITY	PROCESS	FLEXURAL MODULUS
7 g/10 min	**0.962** g/cm³	**Injection**	**1500** MPa

PRODUCT DESCRIPTION

HDPE 62N07 is an injection moulding grade with good impact strength, easy processing, high rigidity and UV resistance. It is especially suitable for crates, pallets, boxes, seats and heavy-duty housewares.

- High rigidity
- Good impact strength
- UV resistant
- Easy processing

PROCESSING GUIDE

Process	**Injection moulding**
Melt temperature	**190 – 250 °C**
Mould temperature	**20 – 50 °C**
Form	**Natural pellets**

TYPICAL PROPERTIES

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE
PHYSICAL			
Melt Flow Rate (190 °C / 2.16 kg)	ASTM D1238	g/10 min	**7**
Density (23 °C)	ASTM D1505	g/cm³	**0.962**
Flow Rate Ratio (F/E)	ASTM D1238	–	**< 30**
Volatiles	–	% wt	**< 0.05**
Contamination	Basell MTM 17064 E	ratio	**< 40**
MECHANICAL			
Tensile Strength at Yield	ASTM D638	MPa	**30**
Tensile Strength at Break	ASTM D638	MPa	**12**
Elongation at Break	ASTM D638	%	**850**
Flexural Modulus	ASTM D790	MPa	**1500**
Izod Impact Strength	ASTM D256	J/m	**55**

APPLICATIONS

- Crates & Boxes
- Pallets
- Seats
- Housewares

PACKAGING

25 kg PE / woven bags

Palletised or jumbo on request

20′ / 40′ container loading

SUPPLY

Sea from Bandar Abbas, road or rail – **agreed per order**

FCA, CPT or DAP – terms in the offer

Pre-shipment inspection & export documents

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+98 912 640 4020

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PHONE
+98 21 25903
+971 58 687 5544 (Dubai)

WHATSAPP
+98 912 640 4020
+98 912 859 5824

EMAIL
sales@rabinpolymer.com
Pasdaran, Tehran, Iran

WEB
en.rabinpolymer.com
/product/hdpe-62n07/

The values above are typical and are not to be construed as specification limits. Users should verify suitability for their own process and application.