TDS TECHNICAL DATA SHEET

PP 548R

PP Impact Copolymer · Thin-Wall Injection Grade

Also traded as **EP548R** · Origin: **Iran**

MFR (230 °C / 2.16 kg)	DENSITY	PROCESS	HDT (0.45 MPa)
21 g/10 min	**0.90** g/cm³	**Injection**	**110** °C

PRODUCT DESCRIPTION

PP 548R is a nucleated, antistatic, high-fluidity heterophasic copolymer for thin-wall injection moulding. Items show high stiffness, good impact resistance and excellent antistatic behaviour; excellent mouldability and short cycle times allow high productivity. Suitable for food contact.

- High fluidity, short cycles
- High stiffness
- Excellent antistatic
- Food-contact grade

PROCESSING GUIDE

Process	**Thin-wall injection**
Melt temperature	**210 – 260 °C**
Mould temperature	**20 – 40 °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	**21**
Density	ASTM D1505	g/cm³	**0.90**
MECHANICAL			
Flexural Modulus	ASTM D790	MPa	**1300**
Tensile Strength at Yield	ASTM D638	MPa	**23**
Tensile Elongation at Yield	ASTM D638	%	**5**
Izod Impact, notched (23 °C)	ASTM D256	J/m	**80**
Izod Impact, notched (−20 °C)	ASTM D256	J/m	**40**
THERMAL			
Vicat Softening Point (B/120)	ASTM D1525	°C	**145**
HDT (0.45 MPa)	ASTM D648	°C	**110**
Oven Ageing in Air (150 °C)	ASTM D3012	h	**360**

APPLICATIONS

- Thin-Wall Containers
- Housewares
- Flower Pots
- Appliance Parts

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