TDS TECHNICAL DATA SHEET

PP 552R

Polypropylene Homopolymer · Fibre & Filament Grade

Also traded as **HP552R** · Origin: **Iran**

MFR (230 °C / 2.16 kg)	DENSITY	PROCESS	FLEXURAL MODULUS
26 g/10 min	**0.90** g/cm³	**Fibre**	**1350** MPa

PRODUCT DESCRIPTION

PP 552R is a high-melt-flow homopolymer for CF, BCF and fine-denier staple fibres at medium to high spinning speeds, with excellent anti-gas-fading properties. It suits nonwovens for hygiene and medical use, high-tenacity filament and BCF carpet yarn. Suitable for food contact.

- High fluidity
- Excellent anti-gas-fading
- Easy processability
- Food-contact grade

PROCESSING GUIDE

Process	**CF, BCF & staple fibre**
Melt temperature	**230 – 270 °C**
Spinning speed	**Medium – high**
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	**26**
Density	ASTM D1505	g/cm³	**0.90**
MECHANICAL			
Flexural Modulus	ASTM D790	MPa	**1350**
Tensile Strength at Yield	ASTM D638	MPa	**32**
Tensile Elongation at Yield	ASTM D638	%	**8**
Izod Impact, notched (23 °C)	ASTM D256	J/m	**15**
THERMAL			
Vicat Softening Point (B/120)	ASTM D1525	°C	**152**
HDT (0.45 MPa)	ASTM D648	°C	**85**
Oven Ageing in Air (150 °C)	ASTM D3012	h	**360**

APPLICATIONS

- Nonwoven Fabrics
- Hygiene & Medical
- High-Tenacity Straps
- BCF Carpet Yarn

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.