TDS TECHNICAL DATA SHEET

PP Z30S

Polypropylene Homopolymer · Fibre & Filament Grade

Origin: **Iran**

MFR (230 °C / 2.16 kg)	DENSITY	PROCESS	HDT (0.46 MPa)
25 g/10 min	**0.90** g/cm³	**Fibre Spinning**	**118** °C

PRODUCT DESCRIPTION

PP Z30S is a high-melt-flow homopolymer for low-denier BCF, CF and staple fibres at medium to high spinning speeds. It offers high homogeneity, stable extrusion and a high stretch ratio, giving tough, resilient fibres. Suitable for food contact.

- High melt flow
- Stable extrusion
- High stretch ratio
- Food-contact grade

PROCESSING GUIDE

Process	**BCF, CF & 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)	ISO 1133	g/10 min	**25**
Density	ISO 1183	g/cm³	**0.90**
MECHANICAL			
Flexural Modulus	ISO 178	MPa	**1550**
Tensile Strength at Yield	ISO 527	MPa	**35**
Tensile Elongation at Yield	ISO 527	%	**13**
Izod Impact, notched (23 °C)	ISO 180	kJ/m²	**3**
Hardness, Shore D	ISO 868	—	**72**
THERMAL			
Vicat Softening Point (A/10 N)	ISO 306	°C	**155**
HDT (0.46 MPa)	ISO 75/B	°C	**118**
Oven Ageing in Air (150 °C)	ISO 4577	h	**360**

APPLICATIONS

- BCF Carpet Yarn
- High-Tenacity Straps
- Nonwoven Staple Fibre
- Upholstery & Sportswear

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/pp-z30s/

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