TDS TECHNICAL DATA SHEET

PP HP550J

Polypropylene Homopolymer · Raffia & Film Yarn Grade

Origin: **Iran**

MFR (230 °C / 2.16 KG)	DENSITY	PROCESS	FLEXURAL MODULUS
3.2 g/10 min	**0.90** g/cm³	**Raffia / Tape**	**1300** MPa

PRODUCT DESCRIPTION

PP HP550J is a polypropylene homopolymer particularly suitable for film yarn (raffia), monofilament and sheet for thermoforming. Films are converted into stretched tapes for woven sacks, carpet backing, industrial fabrics and artificial grass, or into twines and ropes. Suitable for food contact.

- Raffia & tape grade
- Good processability
- Good mechanical properties
- Food-contact grade

PROCESSING GUIDE

Process	**Film yarn / tape extrusion**
Melt temperature	**230 – 260 °C**
Denier range	**≤ 1200 (fabrics)**
Twine & rope	**3000 – 28000 den**

TYPICAL PROPERTIES

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE
PHYSICAL			
Melt Flow Rate (230 °C / 2.16 kg)	ASTM D1238	g/10 min	**3.2**
Density	ASTM D1505	g/cm³	**0.90**
MECHANICAL			
Flexural Modulus	ASTM D790	MPa	**1300**
Tensile Strength at Yield	ASTM D638	MPa	**32**
Tensile Elongation at Yield	ASTM D638	%	**9**
Izod Impact, notched (23 °C)	ASTM D256	J/m	**30**
THERMAL			
Vicat Softening Point (B/120)	ASTM D1525	°C	**152**
HDT (0.45 MPa)	ASTM D648	°C	**90**
Oven Ageing in Air (150 °C)	ASTM D3012	h	**360**

APPLICATIONS

- Woven Raffia Bags
- Carpet Backing
- Twine & Rope
- Artificial Grass

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.