

PP **HP550J**

Polypropylene Homopolymer · Raffia &amp; Film Yarn Grade

Origin: Iran

MFR (230 °C / 2.16 KG)

**3.2** g/10 min

DENSITY

**0.90** g/cm<sup>3</sup>

PROCESS

**Raffia / Tape**

FLEXURAL MODULUS

**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 mechanical properties
- Good processability
- 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 |
|-----------------------------------|-------------|-------------------|---------------|
| <b>PHYSICAL</b>                   |             |                   |               |
| Melt Flow Rate (230 °C / 2.16 kg) | ASTM D1238  | g/10 min          | <b>3.2</b>    |
| Density                           | ASTM D1505  | g/cm <sup>3</sup> | <b>0.90</b>   |
| <b>MECHANICAL</b>                 |             |                   |               |
| Flexural Modulus                  | ASTM D790   | MPa               | <b>1300</b>   |
| Tensile Strength at Yield         | ASTM D638   | MPa               | <b>32</b>     |
| Tensile Elongation at Yield       | ASTM D638   | %                 | <b>9</b>      |
| Izod Impact, notched (23 °C)      | ASTM D256   | J/m               | <b>30</b>     |
| <b>THERMAL</b>                    |             |                   |               |
| Vicat Softening Point (B/120)     | ASTM D1525  | °C                | <b>152</b>    |
| HDT (0.45 MPa)                    | ASTM D648   | °C                | <b>90</b>     |
| Oven Ageing in Air (150 °C)       | ASTM D3012  | h                 | <b>360</b>    |

## APPLICATIONS



Woven Raffia Bags



Carpet Backing



Twine &amp; Rope



Artificial Grass

## PACKAGING

25 kg PE / woven bags  
Palletised or jumbo on request  
20' / 40' container loading

## SUPPLY

Delivery ex-factory or at border  
100% pre-shipment inspection  
Full export documentation



## Get Today's Price

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◆ DIRECT SUPPLY FROM IRAN

◆ PREMIUM GRADES

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