

Technical Datasheet

HP550J

كوثر شيمي
Kosar Shimi
+9821 - 43462000
info@kosar.co
www.kosar.co

1) Product Description:

PP HP550J is a polypropylene homopolymer particularly suitable for the extrusion of sheet for thermoforming, film yarn and monofilament. This grade combines outstanding processability with good mechanical properties.

"HP550J" is designed for the production of films that can be converted into stretched tapes for weaving applications. Textile film yarns with a denier count of not more than 1100 to 1200 are used for the production of carpet backings, bags, industrial fabrics, mats and artificial grass. Film yarn with a denier count ranging from 3000 to 28000 is used for baler twines, packaging twines and ropes. "HP550J" is suitable for food contact.

2) Applications:

Stiff sheet for high quality thermoformings such as vending, cups, packaging for dairy products and trays for fruit, biscuits and chocolates, Film yarn, raffia, tapes, strapping, Carpet backings, bags, industrial fabrics, mats and artificial grass, Baler twines, packaging twines and ropes, Brush and broom filling and technical applications, Nets for various purposes

3) Typical data:

| PROPERTY | TEST METHOD | UNIT | TYPICAL VALUE* |
|--|-------------|-------------------|----------------|
| Melt Flow Rate (230 °C, 2.16kg) | ASTM D1238 | g/10min | 3.2 |
| Density | ASTM D1505 | g/cm ³ | 0.9 |
| Flexural Modulus | ASTM D790 | MPa | 1550 |
| Tensile Strength at Yield | ASTM D638 | MPa | 35 |
| Tensile Elongation at Yield | ASTM D638 | % | 12 |
| Izod Impact Strength (notched) at 23 °C | ASTM D256 | J/m | 55 |
| Rockwell Hardness | ASTM D785 | R Scale | 102 |
| Vicat softening point (10N) | ASTM D1525 | °C | 156 |
| H.D.T. (0.46 Mpa) | ASTM D648 | °C | 94 |
| Accelerated oven ageing in air at 150 °C | ASTM D3012 | hours | 360 |

* Typical values not to be construed as specifications.