

Technical Data Sheet

HP 550J

Polypropylene Homopolymer

HP550J is a polypropylene homopolymer particularly suitable for the extrusion of sheet for thermoforming, film yarn and monofilament. This grade combines suitable 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.

Applications

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

Properties	Value	Units	Test Method
Physical			
Melt Flow Rate (230° c.2.16 Kg)	3.2	gr/10 min	ASTM D1238
Density	0.9	gr/cm3	ASTM D1505
Mechanical			
Flexural Modulus	1400	MPa	ASTM D 790
Tensile Strength at Yield	32	MPa	ASTM D 638
Tensile Elongation at Yield	9	%	ASTM D 638
IZod Impact Strength (notched) at 23°C	50	J/M	ASTM D 256
Thermal			
Vicat softening point (10 N)	152	°c	ASTM D 1525
H.D.T. (0.46 Mpa)	84	°c	ASTM D 648
Accelerated oven ageing in air at 150°C	360	hours	ASTM D 3012