

## Technical Datasheet

- **Grade Name:** HP550J HOMOPOLYMER
- **Categories:** Polypropylene homopolymer particularly suitable for the extrusion of sheet for thermoforming, film yarn and monofilament. This grade combines outstanding processability with good mechanical properties.
- **Processing Methods:** Extrusion (film yarn, monofilament, sheet) , Thermoforming
- **Applications:** Stiff sheet for high quality thermoforming's 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
- **Features:** Good processability, Good mechanical properties, Homopolymer

Physical Properties			
Properties	Value	Unit	Test Method
MFI( 230 °C/2.16 Kg)	3.2	g/10min	ISO 1133
Density	0.9	g/cm <sup>3</sup>	ISO 1183
Mechanical Properties			
Properties	Value	Unit	Test Method
Flexural Modulus	1550	MPa	ASTM D790
Izod Impact Strength, Notched	55	J/m	ASTM D256
Tensile Elongation at Yield	12	%	ASTM D638
Tensile Strength at Yield	35	MPa	ASTM D638
Rockwell Hardness	102	R Scale	ASTM D785
Thermal Properties			
Properties	Value	Unit	Test Method
H. D. T (0.46 MPa)	94	°C	ASTM D648
Vicat Softening Point (10 N)	156	°C	ASTM D1525
Accelerated oven ageing in air at 150 °C	360	h	ASTM D3012

Typical Properties: These values are not to be considered as product specifications.

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