



## Technical Datasheet: HP 552J

### Product Description:

HP552J is a polypropylene homopolymer for the production of film yarn and monofilament and feature outstanding processability and low water carry-over properties. HP552J is particularly suitable for the high speed extrusion of film yarn for industrial fabrics, heavy duty bags, ropes and twines. The product is also suitable for the production of water-quenched blown film and monofilament. HP552J is suitable for food contact.

### Applications:

- Fabrics
- Film
- Heavy-duty Bags
- Packaging
- Rope
- Twine
- Yarn

### Typical data:

Property	Test method	Unit	value
Density	ASTM D1505	g/cm <sup>3</sup>	0.900
Melt Flow Rate (MFR) (230°C/2.16kg)	ASTM D 1238	g/10 min	3.2
Tensile Strength (Yield)	ASTM D 638	MPa	35.0
Tensile Elongation (Yield)	ASTM D 638	%	12
Flexural Modulus	ASTM D 790	MPa	1550
Notched Izod Impact 23°C	ASTM D 256	J/m	55
Rockwell Hardness (R-Scale)	ASTM D 785	-	102
Deflection Temperature Under Load 0.45 MPa, Unannealed	ASTM D 648	°C	94.0
Vicat Softening Temperature	ASTM D 1525	°C	156
Accelerated Oven Ageing (150°C)	ASTM D 3012	Hr	360