

# HP552J

## Homopolymer

**Description:**

HP552J is a polypropylene homopolymer for the production of film yarn and monofilament and features 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.

**Typical Applications**

- Film yarn for industrial fabrics, heavy duty bags
- Ropes and twines
- Blown film packaging

**Features:** Good processability, Low water carry-over

**Suitable for:** Extrusion (Film yarn, monofilament) & Water-quenched blown film

**Product Specification**

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

\* Typical values; not to be considered as product specification.