

# Jampilen HP552J

Polypropylene Homopolymer

Jam Polypropylene Company

## Message:

Jampilen HP552J is a polypropylene homopolymer for the production of film yarn and monofilament and feature outstanding processability and low water carry-over properties. Jampilen 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. Jampilen HP552J is suitable for food contact.

General Information			
Features	Food Contact Acceptable		
	Good Processability		
	Homopolymer		
	Low Water Carryover		
Uses	Fabrics		
	Film		
	Heavy-duty Bags		
	Packaging		
	Rope		
	Twine		
	Yarn		
Processing Method	Blown Film		
	Filament Extrusion		
	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.2	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	102		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	35.0	MPa	ASTM D638
Tensile Elongation (Yield)	12	%	ASTM D638
Flexural Modulus	1550	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	55	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	94.0	°C	ASTM D648

Vicat Softening Temperature	156	°C	ASTM D1525 <sup>1</sup>
Accelerated Oven Ageing (150°C)	360	hr	ASTM D3012

NOTE

1. Loading 1 (10 N)

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