

# Jampilen HP456J

Polypropylene Homopolymer

Jam Polypropylene Company

Message:

Jampilen HP456J is a homopolymer, suitable for extrusion and thermoforming applications. It is formulated with a low water-carry-over additive package. Jampilen HP456J is designed for production of ropes and tapes for carpet backing.

General Information	
Features	Good Stretchability
	Homopolymer
	Low Water Carryover
Uses	Agricultural Applications
	Geo Membranes
	Strapping
	Tape
	Textile Applications
Processing Method	Fiber (Spinning) Extrusion
	Filament Extrusion
	Sheet Extrusion
	Thermoforming

Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.4	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1500	MPa	ISO 527-2/1
Tensile Stress (Yield)	34.0	MPa	ISO 527-2/50
Tensile Strain			ISO 527-2/50
Yield	10	%	
Break	> 50	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	4.0	kJ/m <sup>2</sup>	ISO 179/A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	97.0	°C	ISO 75-2/B
Vicat Softening Temperature	154	°C	ISO 306/A50

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