

Jampilen HP552N

Polypropylene Homopolymer

Jam Polypropylene Company

Message:

Jampilen HP552N is a very narrow Molecular Weight Distribution homopolymer, suitable for extrusion applications. It is formulated with an anti-gasfading stabilisation package. Jampilen HP552N is designed for production of continuous filaments. Typical applications are HTY and spunbond nonwoven.

General Information	
Features	Controlled Rheology
	Gas-fading Resistant
	Homopolymer
	Narrow Molecular Weight Distribution
Uses	Filaments
	Spunbond Nonwovens
Processing Method	Extrusion
	Fiber (Spinning) Extrusion
	Filament Extrusion

Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	33	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	34.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	9.5	%	
Break	> 50	%	
Flexural Modulus	1390	MPa	ISO 178
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	81.0	°C	ISO 75-2/B
Vicat Softening Temperature			
--	153	°C	ISO 306/A50
--	93.0	°C	ISO 306/B50

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