

Jampilen HP554N

Polypropylene Homopolymer

Jam Polypropylene Company

Message:

Jampilen HP554N is a polypropylene homopolymer designed for the production of fine denier staple fibers for nonwoven, thermobonded fabrics and offers outstanding spinnability, superior thermobonding and excellent antigasfading properties. Fabrics made with Jampilen HP554N are characterized by softness, textile-like appearance and high tear resistance. In comparison with standard polypropylene types for thermobonding applications, Jampilen HP554? offers some distinct advantages:

The processability with the long-spinning technology is outstanding, resulting in high and uniform fiber quality and less down-time, A broad thermal bonding window is achieved, which facilitates start-up and adjustments of the plant, and It shows a 20 to 30 % increase in thermal bonding ability.This makes it possible to produce fabrics with a higher tear strength or with a lower weight per square meter for the same strength.

General Information			
Features	Gas-fading Resistant		
	Good Tear Strength		
	Homopolymer		
	Soft		
Uses	Fabrics		
	Filters		
	Sanitary Products		
	Staple Fibers		
	Strapping		
	Textile Applications		
Processing Method	Fiber (Spinning) Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	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)	34.0	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)	30	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	95.0	°C	ASTM D648
Vicat Softening Temperature	154	°C	ASTM D1525 ¹

Accelerated Oven Ageing (150°C)	150	hr	ASTM D3012
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NOTE

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