

Jampilen HP552R

Polypropylene Homopolymer

Jam Polypropylene Company

Message:

Jampilen HP552R is a high melt flow homopolymer for the production of CF, BCF and fine denier staple fibers at medium to high spinning speeds and exhibits excellent anti-gasfading properties. Jampilen HP552R is suitable for nonwoven fabrics for diapers, medical-sanitary applications and wipes. Another typical application is high tenacity continuous filament for straps for backpacks, sport bags, bulk bags and safety belts. Continuous filament with medium tenacity is used for upholstery and sportswear. Jampilen HP552R is also suited for the production of bulked continuous filament for carpets. Jampilen HP552R is suitable for food contact.

General Information			
Features	Food Contact Acceptable		
	Gas-fading Resistant		
	Good Processability		
	High Flow		
	Homopolymer		
Uses	Filaments		
	Nonwovens		
	Sanitary Products		
	Sporting Goods		
	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)	25	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	100		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	32.0	MPa	ASTM D638
Tensile Elongation (Yield)	13	%	ASTM D638
Flexural Modulus	1500	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)	94.0	°C	ASTM D648
Vicat Softening Temperature	152	°C	ASTM D1525 ¹

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

1.	Loading 1 (10 N)
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