

Jampilen HP502N

Polypropylene Homopolymer

Jam Polypropylene Company

Message:

Jampilen HP502N is a medium fluidity polypropylene homopolymer and is particularly suitable for the production of heavy denier staple fibre and continuous filament. Jampilen HP502N exhibits good process stability and constant, high flow during extrusion. Jampilen HP502N is developed for the extrusion of staple fibres for spinning wool system fibres for carpets, rugs and garments such as overalls and socks. Jampilen HP502N is also suited for the production of continuous filament for ropes, belts and straps. Another typical application of Jampilen HP502N is the extrusion of decorative ribbons.

General Information			
Features	Good Processing Stability		
	High Flow		
	Homopolymer		
Uses	Belts/Belt Repair		
	Carpet Backing		
	Fibers		
	Filaments		
	Ribbons		
	Rope		
	Staple Fibers		
	Strapping		
	Textile Applications		
Processing Method	Fiber (Spinning) Extrusion		
	Filament 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)	3.0	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)	360	hr	ASTM D3012
Optical	Nominal Value		Test Method
Gloss (60°)	95		ASTM D2457
NOTE			
1.	Loading 1 (10 N)		

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