

# Jampilen HP502R

Polypropylene Homopolymer

Jam Polypropylene Company

Message:

Jampilen HP502R is a high melt flow homopolymer for the production of low denier BCF, CF and staple fibers at medium to high spinning speeds. Jampilen HP502R offers high homogeneity, stable extrusion and excellent processability on both short and long spinning lines. This grade allows high stretch ratio and gives tough and resilient fibers. Jampilen HP502R is widely used for the production of bulked continuous filament for carpet face yarns. Another major application is the production of high tenacity continuous filament for straps for backpacks, handles for big bags and safety belts. Continuous filament with medium tenacity is used for upholstery, sportswear and heavy duty clothing. Jampilen HP502R is also suitable for the production of low denier staple fibres for the thermobonding. Jampilen HP502R is suitable for food contact.

General Information			
Features	Food Contact Acceptable		
	Good Processability		
	Good Processing Stability		
	Good Stretchability		
	Good Toughness		
	High Flow		
	Homopolymer		
	Resilient		
Uses	BCF Yarn		
	Belts/Belt Repair		
	Fibers		
	Filaments		
	Staple Fibers		
	Strapping		
	Textile Applications		
Processing Method	Fiber (Spinning) Extrusion		
	Filament Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm <sup>3</sup>	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 <sup>1</sup>
Accelerated Oven Ageing (150°C)	360	hr	ASTM D3012
NOTE			
1.	Loading 1 (10 N)		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

