

Jampilen HP562S

Polypropylene Homopolymer

Jam Polypropylene Company

Message:

Jampilen HP562S is a very high fluidity homopolymer for the high speed production of very low denier BCF and CF. Jampilen HP562S exhibits excellent antigasfading properties and due to its high homogeneity and very high MFR, Jampilen H39S offers stable extrusion and excellent processability on both short and long spinning lines. This grade allows a high stretch ratio and gives tough, resilient and colourfast fibres. Jampilen HP562S is eminently used for the high speed 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 and heavy duty clothing. Jampilen HP562S is suitable for food contact.

General Information			
Features	Food Contact Acceptable		
	Gas-fading Resistant		
	Good Color Stability		
	Good Processability		
	Good Processing Stability		
	Good Stretchability		
	Good Toughness		
	High Flow		
	Homopolymer		
	Resilient		
Uses	BCF Yarn		
	Filaments		
	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)	35	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)	10	%	ASTM D638
Flexural Modulus	1450	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

NOTE

- Loading 1 (10 N)

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