

# Jampilen Z30S

## Homopolymer

### Description:

"Jampilen Z30S" is a high melt flow homopolymer for the production of low denier BCF, CF and staple fibers at medium to high spinning speeds. "Jampilen Z30S" offers a high homogeneity, stable extrusion and excellent processability on both short and long spinning lines. This grade allows a high stretch ratio and gives tough and resilient fibers.

"Jampilen Z30S" 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 Z30S" is also suitable for the production of low denier staple fibres for the thermobonding. "Jampilen Z30S" is suitable for food contact.

### Processing Method:

Extrusion ( BCF, CF and staple fibers )

### Features:

High melt flow  
Excellent processability  
Homopolymer

### Typical Applications:

Bulked continuous filament for carpet face yarns  
High tenacity continuous filament for straps for backpacks  
Handles for big bags and safety belts  
Upholstery, sportswear and heavy duty clothing  
Low denier staple fibres for the thermobonding

### Approval:

Food

TYPICAL PROPERTIES	VALUE	UNIT	METHOD
<b>Physical</b>			
Melt Flow Rate (230 °C, 2.16kg)	25	g/10min	ISO 1133
Density	0.9	g/cm <sup>3</sup>	ISO 1183
<b>Mechanical</b>			
Flexural Modulus	1550	N/mm <sup>2</sup>	ISO 178
Tensile Strength at Yield	35	N/mm <sup>2</sup>	ISO R 527
Tensile Elongation at Yield	13	%	ISO R 527
Izod Impact Strength (notched) at 23 °C	3	kJ/m <sup>2</sup>	ISO 180
Hardness Shore D	72	points	ISO 868
<b>Thermal</b>			
Vicat softening point (9.8N)	155	°C	ISO 306/A
H.D.T. (0.46 Mpa)	118	°C	ISO 75/B
Accelerated oven ageing in air at 150 °C	360	hours	ISO 4577