

Z 30 S

Z 30 S is a high melt flow homopolymer for the production of low denier BCF, CF and staple fibers at medium to high spinning speeds.

Z 30 S 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.

Z 30 S 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 dothing. Z 30 S is also suitable for the production of low denier staple fibres for thermobonding.

PROPERTIES	METHOD (b)	UNIT	TYPICAL VALUE (a)
Physical properties			
Melt flow rate (230°C, 2.16 kg)	ISO 1133	Dg / min	25
Density	ISO 1183	g/cm ³	0.9
Mechanical properties			
Flexural modulus	ISO 178	N/mm ²	1550
Tensile strength at yield	ISO R 527	N/mm ²	35
Elongation at yield	ISO R 527	%	13
IZOD impact strength (notched) at 23°C	ISO 180	kJ/m ²	3
Hardness Shore D	ISO 868	Points	72
Thermal properties			
Vicat softening point (9.8 N)	ISO 306/A	°C	155
H.D.T. (0.46 Mpa)	ISO 75/B	°C	118
Accelerated oven ageing in air (forced circulation) at 150 °C	ISO 4577	hours	360

● Z 30 S is suitable for food contact.

a) Values shown are averages and are not to be considered as product specification. These values may shift slightly as additional data are accumulated.

b) ISO test methods are the latest under the society's current procedures.

All specimens are prepared by injection moulding.