



Z30S Polypropylene Datasheet

Description	"Z30S" is a high melt flow homopolymer for the production of low denier BCF, CF and staple fibers at medium to high spinning speeds. "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. "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. "Z30S" is also suitable for the production of low denier staple fibres for the thermobonding. "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
Physical			
Melt Flow Rate (230 oC, 2.16kg)	25	g/10min	ISO 1133
Density	0.9	g/cm3	ISO 1183
Mechanical			
Flexural Modulus	1550	N/mm2	ISO 178
Tensile Strength at Yield	35	N/mm2	ISO R 527
Tensile Elongation at Yield	13	%	ISO R 527
Izod Impact Strength (notched) at 23 oC	3	kJ/m2	ISO 180
Hardness Shore D	72	points	ISO 868
Thermal			
Vicat softening point (9.8N)	155	oC	ISO 306/A
H.D.T. (0.46 Mpa)	118	oC	ISO 75/B
Accelerated oven ageing in air at 150 oC	360	hours	ISO 4577



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