



كوثر شيمي
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F 30 S

F 30 S is a medium-high fluidity polypropylene homopolymer. F 30 S is particularly suitable for the production of heavy denier staple fibre and continuous filament.

F 30 S exhibits good process stability and constant, high flow during extrusion.

F 30 S is developed for the extrusion of staple fibres for spinning wool system fibres for carpets, rugs and garments such as overalls and socks.

F 30 S is also suited for the production of continuous filament for ropes, belts and straps.

Another typical applications of F 30 S is the extrusion of decorative ribbons.



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PROPERTIES	METHOD (b)	UNIT	TYPICAL VALUE (a)
Physical properties			
Melt flow rate (230°C, 2.16 kg)	ISO 1133	dg / min	12
Density	ISO 1183	g/cm ³	0.9
Mechanical properties			
Flexural modulus	ISO 178	N/mm ²	1550
Tensile strength 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	3.5
Hardness Shore D	ISO 868	points	71
Thermal properties			
Vicat softening point (9.8 N)	ISO 306/A	°C	155
H.D.T. (0.46 Mpa)	ISO 75/B	°C	117
Accelerated oven ageing in air (forced circulation) at 150°C	ISO 4577	hour	360

● F 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.