



C 30 S

C 30 S is a polypropylene homopolymer with a good flow properties and is particularly suitable for the extrusion of film yam, monofilament, cast film and sheet. C 30 S combines outstanding process ability with good mechanical properties. C 30 S is particularly suitable to produce film yam with the cast film process. Film yam of C 30 S is used for baler twines, packaging twines and ropes.

C 30 S is well suited for the production of monofilament used for instance in brush and broom filling and technical applications.

Other applications of C 30 S are monolayer or coextruded film for packaging, thin sheet for stationery folders and sheet for thermoforming.

C 30 S is also used for the extrusion of straws



PROPERTIES	METHOD (b)	UNIT	TYPICAL VALUE (a)
Physical properties			
Melt flow rate (230°C, 2.16 kg)	ISO 1133	dg / min	6
Density	ISO 1183	g/cm ³	0.9
Mechanical properties			
Flexural modulus	ISO 178	N/mm ²	1500
Tensile strength yield	ISO R 527	N/mm ²	34
Elongation at yield	ISO R 527	%	13
Izod impact strength (notched) at 23°C	ISO 180	kJ/m ²	4
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	112
Accelerated oven ageing in air (forced circulation) at 150°C	ISO 4577	hour	360

● C 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.