

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

● D 50 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.