

Technical Datasheet of Polypropylene PP Moplen X30S

Moplen X 30 S is a homopolymer particularly suited for the extrusion of cast and water quenched blown film. Moplen X 30 S is formulated with a general purpose stabilisation package and does not contain any slip or antiblocking agents.

Moplen X 30 S exhibits excellent processability and outstanding optical properties. This makes Moplen X 30 S particularly suitable for film for packaging food-stuffs such as pasta, snacks, biscuits, bakery products and confectionery. Other applications include film for packaging for flowers, books, stationery, blankets, shirts, knitwear and hosiery.

Application:

Moplen X 30 S is also very appropriate for the extrusion of small pipes and drinking straws.

Moplen X 30 S can be used for lamination with polyester, polyamide and aluminium for packaging of snacks, crisps, sweets, coffee, meat products and pre-cooked foods.

In these applications, Moplen X 30 S gives an excellent high gloss finish in laminates and exhibits good printability after Corona treatment.

Moplen X 30 S can also be coextruded with MOPLEN and VALTEC heterophasic copolymer grades to produce high gloss finishes on blow moulded pigmented bottles and coextruded sheet.

Typical Properties	Typical Value ¹	Unit	Test Method
Physical			
Melt Flow Index (230°C/ 2.16 kg)	9	g/10 min	ISO 1133
Density ²	0.9	g/cm ³	ISO 1183
Mechanical ³			
Flexural modulus	1500	N/mm ²	ISO 178
Tensile Strength Yield	34	N/mm ²	ISO R 527
Elongation at Yield	13	%	ISO R 527
Izod Impact Strength (notched) at 23°C	4	KJ/m ²	ISO 180
Hardness Shore D	71	points	ISO 868
Thermal Properties			
Vicat softening point (9.8 N)	155	°C	ISO 306/ A
H.D.T. (0.46 Mpa)	115	°C	ISO 75/ B
Accelerated oven ageing in air (forced circulation) at 150°C	360	Hours	ISO 4577
Optical properties			
Haze	1	%	MTM 17031
Gloss (45°C)	85	%	MTM 17021



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