



X 30 S

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

X 30 S exhibits excellent processability and outstanding optical properties. This makes 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.

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

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

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



PROPERTIES	METHOD (b)	UNIT	TYPICAL VALUE (a)
Physical properties			
Melt flow rate (230°C, 2.16 kg)	ISO 1133	Dg / min	9
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	115
Accelerated oven ageing in air (forced circulation) at 150°C	ISO 4577	hours	360
Optical Properties			
Haze	MTM 17031	%	1
Gloss (45°C)	MTM 17021	%	85

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.



Arak Petrochemical Company



ISO 9001:2000

Certificate No.: CH98/8032

ISO 14001:2004

Certificate No.: CH03/0112

OHSAS 18001:1999

Certificate No.: CH05/0675

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Polypropylene

Moplen X30S (Extrusion & Cast Film)

Typical properties	Test method (ASTM)	Unit	Value
MFR @230°C, 2.16 kg	D1238/L	gr/10min	8
Flexural Modulus	D790	Mpa	1550
Notched Izod Impact@23°C	D256	J/m	36
Tensile Strength@Yield	D638	Mpa	36
Elongation@Yield	D638	%	12
Vicat Softening Point, 10N	D1525	°C	154
HDT(0.46N/mm ²)	D648	°C	93
Rockwell Hardness	D785	R.Scale	93
Oven Aging@150°C	D3012	Hours	360

➤ Values shown are averages & are not to be considered as product specifications.

❖ Main application & Characteristics:

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Moplen X30S exhibits excellent process ability and outstanding optical properties.

This makes Moplen X30S particularly suitable for film for packaging of flowers, books, stationery, blankets, shirts, knitwear, hosiery and food-stuffs such as pasta, snacks, biscuits, bakery products and confectionery.

Moplen X30S is also very appropriate for the extrusion of small pipes and drinking straws.

Moplen X30S can be used for lamination with polyester, polyamide and aluminum for packaging of snacks, crisps, sweets, coffee, meat products and pre-cooked foods. In these applications, Moplen X30S gives an excellent high gloss finish in laminates and exhibits good printability after corona treatment.

* Moplen X30S is suitable for food contact.