

# Moplen X30S

Polypropylene Homopolymer  
Shazand (Arak) Petrochemical Corporation

Message:

Moplen X30S is a homo-polymer particularly suited for the extrusion of cast and water quenched blown film. Moplen X30S exhibits excellent process ability and outstanding optical properties. This make Moplen X30S particularly suitable for film for packaging of flowers, books, stationery, blankets, shirts, knitwear, hosiery and food-stuffs such as pasta, snakes, 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.

General Information			
Features	Excellent Printability		
	Food Contact Acceptable		
	Good Processability		
	High Gloss		
	Homopolymer		
	Opticals		
Uses	Cast Film		
	Drinking Straws		
	Film		
	Food Packaging		
	Laminates		
	Packaging		
	Piping		
Processing Method	Blown Film		
	Cast Film		
	Extrusion		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	93		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	36.0	MPa	ASTM D638
Tensile Elongation (Yield)	12	%	ASTM D638
Flexural Modulus	1550	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	36	J/m	ASTM D256
Aging	Nominal Value	Unit	Test Method
Oven Aging (150°C)	15.0	day	ASTM D3012
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	93.0	°C	ASTM D648
Vicat Softening Temperature	154	°C	ASTM D1525 <sup>1</sup>
NOTE			

1. Loading 1 (10 N)

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