

Moplen S30SW

Polypropylene Homopolymer
Shazand (Arak) Petrochemical Corporation

Message:

Moplen S30SW is a polypropylene homo-polymer particularly suitable for the production of sheet for thermoforming, film yarn and monofilament. Moplen S30SW combines excellent process ability with high stiffness and low water carry-over. Moplen S30SW is designed for the production of quality thermoforming such as drinking beakers, packaging for dairy products, nursery flower pots& trays for fruits, biscuits & chocolates. Moplen S30SW is also particularly suitable to produce film yarn, both with cast and tubular processes. Textile film yarns have a denier count of not more than 1000 to 1200 and care used for the production of the bags, industrial fabrics & mats. Film yarn with a denier count ranging 3000 to 28000 is used for baler twins, packaging twins, ropes and chenille. Moplen S30SW is also well suited for the production of monofilament used for instance for brush & broom filling & technical applications. Strapping, extruded nets, blow moulded small containers & technical components are other typical applications.

* Moplen S30SW is suitable for food contact.

General Information			
Features	Food Contact Acceptable		
	Good Processability		
	High Stiffness		
	Homopolymer		
	Low Water Carryover		
Uses	Bags		
	Containers		
	Disposable Drinkware		
	Fabrics		
	Film		
	Lawn and Garden Equipment		
	Monofilaments		
	Netting		
	Packaging		
	Rope		
	Strapping		
	Support Trays		
	Textile Applications		
Processing Method	Cast Film		
	Filament Extrusion		
	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.8	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method

Tensile Strength (Yield)	36.0	MPa	ASTM D638
Tensile Elongation (Yield)	12	%	ASTM D638
Flexural Modulus	1450	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	60	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)	94.0	°C	ASTM D648
Vicat Softening Temperature	152	°C	ASTM D1525 ¹
NOTE			

1. Loading 1 (10 N)

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