

Moplen S33LS

Polypropylene Homopolymer
Shazand (Arak) Petrochemical Corporation

Message:

Moplen S33LS is a polypropylene homo-polymer particularly suitable for the production of sheet for thermoforming, film yarn and monofilament. Moplen S33LS combines excellent process ability with high mechanical properties and medium UV resistance. Moplen S33LS 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 S33LS 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, twins for agricultural use, ropes. Moplen S33LS 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 S33LS is suitable for food contact.

General Information			
Features	Food Contact Acceptable		
	Good Processability		
	Good UV Resistance		
	Homopolymer		
Uses	Agricultural Applications		
	Bags		
	Blown Containers		
	Disposable Drinkware		
	Fabrics		
	Film		
	Food Packaging		
	Lawn and Garden Equipment		
	Monofilaments		
	Rope		
	Support Trays		
	Textile Applications		
	Yarn		
Processing Method	Blow Molding		
	Filament Extrusion		
	Filament Winding		
	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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