



Arak Petrochemical Company



ISO 9001:2000
Certificate No.: CH98/8032

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Certificate No.: CH03/0112

OHSAS 18001:1999
Certificate No.: CH05/0675

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Polypropylene

Moplen S30SW (Fibre)

Typical properties	Test method (ASTM)	Unit	Value
MFR @230°C, 2.16 kg	D1238/L	gr/10min	1.8
Flexural Modulus	D790	Mpa	1450
Notched Izod Impact@23°C	D256	J/m	60
Tensile Strength@Yield	D638	Mpa	36
Elongation@Yield	D638	%	12
Vicat Softening Point, 10N	D1525	°C	152
HDT(0.46N/mm ²)	D648	°C	94
Oven Aging@150°C	D3012	Hours	360

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

❖ Main application & Characteristics:

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 are used for the production of the bags, industrial fabrics & mats. Film yarn with a denier count ranging 3000 to 28000 is used for baler twines, packaging twines, 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.