



Arak Petrochemical Company



ISO 9001:2000
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Polypropylene

Moplen S81S (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 S81S is a polypropylene homo-polymer particularly suitable for the production of textile film yarn and monofilament (not food grade).

Moplen S81S combines excellent process ability with high mechanical properties and very high light resistance.

Moplen S81S is 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, twines for agricultural use, ropes.

* Moplen S81S S 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.