



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 HP500H (Extrusion Thermoforming & Fibre)

Typical properties	Test method (ASTM)	Unit	Value
MFR @230°C, 2.16 kg	D1238/L	gr/10min	2.15
Flexural Modulus	D790	Mpa	1300
Notched Izod Impact@23°C	D256	J/m	35
Tensile Strength@Yield	D638	Mpa	35
Elongation@Yield	D638	%	12
Vicat Softening Point, 10N	D1525	°C	154
HDT(0.46N/mm ²)	D648	°C	94
Rockwell Hardness	D785	R.Scale	105
Oven Aging@150°C	D3012	Hours	360

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

❖ Main application & Characteristics:

Moplen HP500H is a polypropylene homo-polymer particularly suitable for the production of sheet for thermoforming, film yarn & monofilament. Moplen HP500H combines excellent process ability with high stiffness. Moplen HP500H is designed for the production of quality thermoforming such as drinking beakers, packaging for dairy products, nursery flower pots & trays for fruit, biscuits & chocolates.

Moplen HP500H is also particularly suitable to produce film yarn, both with cast & tubular processes. Textile film yarns have a denier count of not more than 1100 to 1200 & are used for the production of bags, industrial fabrics & mats. Film yarn with a denier count ranging from 3000 to 28000 is used for baler twines, packaging twines & ropes. Moplen HP500H 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 of Moplen HP500H.

* Moplen HP500H is suitable for food contact.