



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 HP510L (Fibre)

Typical properties	Test method (ASTM)	Unit	Value
MFR @230°C, 2.16 kg	D1238/L	gr/10min	6
Flexural Modulus	D790	Mpa	1500
Notched Izod Impact@23°C	D256	J/m	30
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	100
Oven Aging@150°C	D3012	Hours	360

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

❖ Main application & Characteristics:

Moplen HP510L is a polypropylene homo-polymer with good flow properties and is particularly suitable for the extrusion of film yarn, monofilaments, cast film and sheet.

Moplen HP510L combines outstanding process ability with good mechanical properties.

Moplen HP510L is particularly suitable to produce film yarn with the cast film process. Film yarn of **Moplen HP510L** is suitable for baler twines, packaging twines and ropes. **Moplen HP510L** is well suited for the production of monofilament used for instance in brush and broom filling and technical applications.

Other applications of **Moplen HP510L** are monolayer or co-extruded film for packaging, thin sheet for stationary folders and sheets for thermoforming.

Moplen HP510L is also used for the extrusion of straws.

* **Moplen HP510L** is suitable for food contact.