



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 HP500M (Injection Moulding)

Typical properties	Test method (ASTM)	Unit	Value
MFR @230°C, 2.16 kg	D1238/L	gr/10min	9
Flexural Modulus	D790	Mpa	1550
Notched Izod Impact@23°C	D256	J/m	37
Tensile Strength@Yield	D638	Mpa	35
Elongation@Yield	D638	%	12
Vicat Softening Point, 10N	D1525	°C	154
HDT(0.46N/mm ²)	D648	°C	95
Rockwell Hardness	D785	R.Scale	102
Oven Aging@150°C	D3012	Hours	360

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

❖ Main application & Characteristics:

Moplen HP500M is a polypropylene homo-polymer for injection moulding. Because of its good flow properties, this grade offers easy processing. Articles produced from **Moplen HP500M** exhibit high stiffness.

Moplen HP500M is widely used for injection moulding consumer goods such as food containers, house wares, toys & garden furniture.

Other major applications are components for appliances & parts for the automotive industry.

* **Moplen HP500M** is suitable for food contact.