



Arak Petrochemical Company



ISO 9001:2000
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Certificate No.: CH03/0112

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Certificate No.: CH05/0675

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Polypropylene

Moplen HP502N (Injection Moulding)

Typical properties	Test method (ASTM)	Unit	Value
MFR @230°C, 2.16 kg	D1238/L	gr/10min	12
Flexural Modulus	D790	Mpa	1400
Notched Izod Impact@23°C	D256	J/m	20
Tensile Strength@Yield	D638	Mpa	34
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 HP502N is a medium-high fluidity polypropylene homo-polymer for injection moulding. Because of its good flow properties; this grade offers easy mould filling & short cycle times. Articles produced from **Moplen HP502N** exhibit good dimensional stability & high stiffness.

Moplen HP502N is widely used for injection moulding consumer goods such as food containers, cool boxes, vacuum flasks, flower pots, toys, garden furniture & small appliances. In the medical sector **Moplen HP502N** is used for 3-part syringes & a wide range of health care items.

Other applications are closures, caps & crates for products.

* **Moplen HP502N** is suitable for food contact.