



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 HP500J (Injection Moulding)

Typical properties	Test method (ASTM)	Unit	Value
MFR @230°C, 2.16 kg	D1238/L	gr/10min	3
Flexural Modulus	D790	Mpa	1350
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	156
HDT(0.46N/mm ²)	D648	°C	94
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 HP500J is a polypropylene homo-polymer for injection moulding applications.

Moplen HP500J combines high stiffness & fairly good impact strength with good process ability.

The grade is suitable for a wide range of applications such as house wares, caps, closures, small containers, toys ,parts for small appliances & components for the automotive industry.

Moplen HP500J is also used for compounding.

* Moplen HP500J is suitable for food contact.