



Arak Petrochemical Company



ISO 9001:2000
Certificate No.: CH98/8032

ISO 14001:2004
Certificate No.: CH03/0112

OHSAS 18001:1999
Certificate No.: CH05/0675

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Polypropylene

Moplen EP300M (Injection Moulding)

Typical properties	Test method (ASTM)	Unit	Value
MFR @230°C, 2.16 kg	D1238/L	gr/10min	7
Flexural Modulus	D790	Mpa	1200
Notched Izod Impact@23°C	D256	J/m	100
Notched Izod Impact@-20°C	D256	J/m	40
Tensile Strength@Yield	D638	Mpa	27
Elongation@Yield	D638	%	9
Vicat Softening Point,10N	D1525	°C	150
HDT(0.46N/mm ²)	D648	°C	88
Rockwell Hardness	D785	R.Scale	93
Oven Aging@150°C	D3012	Hours	360

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

❖ Main application & Characteristics:

Moplen EP300M is a heterophasic polypropylene for injection moulding.

The product offers an excellent balance of stiffness, impact strength and process ability.

Moplen EP300M is largely used in the consumer, packaging and appliance industries for injection moulding applications that require a good mechanical properties balance. Typical applications include household articles, toys, small containers, pails, crates, caps, closures, lids and thin-walled packaging for cold shelf presentation.

Moplen EP300M is also designed for demanding injection moulding applications such as automotive parts, wheels, garden furniture, chair shells and stadium seats.

Moplen EP300M is furthermore suitable for the extrusion of cast film for stationery.

* **Moplen EP300M** is suitable for food contact.