



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

EPC40R (Injection Moulding)

Typical properties	Test method (ASTM)	Unit	Value
MFR @230°C, 2.16 kg	D1238/L	gr/10min	7
Flexural Modulus	D790	Mpa	1350
Notched Izod Impact@23°C	D256	J/m	95
Notched Izod Impact@-20°C	D256	J/m	40
Tensile Strength@Yield	D638	Mpa	27
Elongation@Yield	D638	%	12
Vicat Softening Point,10N	D1525	°C	150
HDT(0.46N/mm ²)	D648	°C	88
Rockwell Hardness	D785	R.Scale	86
Oven Aging@150°C	D3012	Hours	1000

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

❖ Main application & Characteristics:

Moplen EPC40R is a heterophasic polypropylene copolymer designed for injection moulding battery cases & technical items. The product offers an excellent balance of mechanical properties & process ability & features an excellent long-term heat-stability. Articles moulded with **Moplen EPC40R** offer a good balance of stiffness & toughness, good surface properties & a very high resistance to chemicals & crazing.

Moplen EPC40R is largely used for automotive components .Battery cases, cooling water compensation reservoirs, brake fluid reservoirs, wash water reservoirs, dashboard supports, luggage compartment trims & door trim panels are typical applications.

In the electro-technical industries, **Moplen EPC40R** is used for appliance, cables & wires (e.g. as slotted core element in fibre optic cables).

* **Moplen EPC40R** is suitable for food contact.