



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 EP300K (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 EP300K is a medium flow, heterophasic polypropylene copolymer mainly designed for injection moulding applications. **Moplen EP300K** combines good process ability with very high impact and good stiffness. Because of its high mechanical properties, **Moplen EP300K** is widely used for injection moulding medium sized containers, buckets, pails, transport crates and crates for cold storage.

Other typical applications of **Moplen EP300K** are injection moulded components for small appliances, component for industrial applications and parts for the automotive industry (e.g. wheel arch liners, steering wheels and interior parts).

Moplen EP300K is further suitable for house wares, seats, chair shells, toys, suitcases and small packaging items.

Thermoforming multilayer container for dairy products is also an important application of **Moplen EP300K**.

* **Moplen EP300K** is suitable for food contact.