



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 EP2YX29GA (Injection Moulding)

Typical properties	Test method (ASTM)	Unit	Value
MFR @230°C, 2.16 kg	D1238/L	gr/10min	10
Flexural Modulus	D790	Mpa	1050
Notched Izod Impact@23°C	D256	J/m	85
Tensile Strength@Yield	D638	Mpa	28
Elongation@Yield	D638	%	12
Vicat Softening Point, 10N	D1525	°C	128
HDT(0.46N/mm ²)	D648	°C	83
Rockwell Hardness	D785	R.Scale	94
Oven Aging@150°C	D3012	Hours	360
Haze	D1003	%	17
Gloss	D523	Rating	73

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

❖ Main application & Characteristics:

Moplen EP2YX29GA is a polypropylene random copolymer with excellent flow and antistatic properties. The product features very high transparency and gloss.

Moplen EP2YX29GA is mainly designed for transparent house wares and quality packaging applications. **Moplen EP2YX29GA** is an outstanding grade for injection moulded containers and thin-walled packaging where clarity is of utmost importance.

Typical injection moulding applications include food storage containers, household articles, food packaging, cosmetics and pharmaceutical products, lids, caps and closures. In many of these applications **Moplen EP2YX29GA** can replace PS since it can match optical properties whilst adding low weight, low odour transfer, chemical resistance and impact strength. Another major application of **Moplen EP2YX29GA** is the co-extrusion with other polypropylene resins to produce multilayer sheet for thermoforming trays for fresh pasta and bakery products.

* **Moplen EP2YX29GA** is suitable for food contact.