



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

EP2X83CI (Injection Moulding)

Typical properties	Test method (ASTM)	Unit	Value
MFR @230°C, 2.16 kg	D1238/L	gr/10min	10.5
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:

EP2X83CI is a polypropylene random copolymer with excellent flow properties .The product features very high transparency & gloss. **EP2X83CI** is mainly designed for transparent house wares & quality packaging applications. **EP2X83CI** is an outstanding grade for injection moulded containers & thin-walled packaging where clarity is of utmost importance.

Typical injection moulding applications include food storage containers, household articles, food packaging, cosmetics & pharmaceutical products, lids, caps & closures .In many of these applications, **EP2X83CI** can replace PS since it can match optical properties whilst adding low weight, low odour transfer, chemical resistance & impact strength. Another major application of **EP2X83CI** is the co-extrusion with other polypropylene resins to produce multilayer sheet for thermoforming trays for fresh pasta & bakery products.

* **EP2X83CI** is suitable for food contact.