



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 EP2X83CE (Extrusion & Blow Moulding)

Typical properties	Test method (ASTM)	Unit	Value
MFR @230°C, 2.16 kg	D1238/L	gr/10min	1.8
Flexural Modulus	D790	Mpa	1050
Notched Izod Impact@23°C	D256	J/m	120
Tensile Strength@Yield	D638	Mpa	28
Elongation@Yield	D638	%	13
Vicat Softening Point, 10N	D1525	°C	132
HDT(0.46N/mm <sup>2</sup> )	D648	°C	82
Rockwell Hardness	D785	R.Scale	85
Oven Aging@150°C	D3012	Hours	360
Haze	D1003	%	15
Gloss	D523	Rating	78

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

### ❖ Main application & Characteristics:

EP2X83CE is a clear polypropylene random copolymer particularly suited for blow moulding technology & single or multi-layer sheet extrusion. The product imparts excellent clarity & gloss and these characteristics may be further enhanced through orientation process (i.e. injection stretch blow moulding). Due to these properties EP2X83CE is an interesting alternative to P.V.C. for use in blow moulding, sheet extrusion & thermoforming applications.

Blow moulding applications for EP2X83CE include bottle for detergents & toiletries, flat mineral water, fresh fruit juice & concentrates, jars for condiments & preserves.

Extruded sheets made of EP2X83CE are widely used in stationary folders & thermoforming articles such as trays for fresh pasta, sweets or biscuits, fruit & vegetable containers & pots for dairy products.

\* EP2X83CE is suitable for food contact.