



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.