



ISO 9001:2008  
Certificate No.: CH98/8032

ISO 14001:2004  
Certificate No.: CH03/0112

OHSAS 18001:1999  
Certificate No.: CH05/0675

## Polypropylene random copolymer

### EP2X83CI

كوثر شيمي  
Kosar Shimi  
+9821 - 43462000  
info@kosar.co  
www.kosar.co

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 <sup>2</sup> )	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.