



## Technical Datasheet: EP2X83CE

### Product Description:

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.

### Applications:

- Blow Molding Applications
- Bottles
- Food Containers
- Fruit Juice Bottles
- Sheet
- Squeeze Bottles
- Stationary Supplies
- Support Trays

### Typical data:

Property	Test method	Unit	value
Melt Flow Rate (MFR) (230 °C, 2.16kg)	ASTM D 1238	g/10min	1.8
Tensile Strength (Yield)	ASTM D 638	MPa	28.0
Tensile Elongation (Yield)	ASTM D 638	%	13
Flexural Modulus	ASTM D 790	MPa	1050
Rockwell Hardness (R-Scale)	ASTM D 785		85
Deflection Temperature Under Load 0.45 MPa, Unannealed	ASTM D 648	°C	82.0
Vicat softening Temperature	ASTM D 15253	°C	132
Oven Aging (150 °C)	ASTM D 3012	day	15.0
Gardner Gloss	ASTM D 523		78
Haze	ASTM D 1003	%	15