



Polypropylene

EP2X83CI (Injection Moulding)

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 (0.46 N/mm ²)	D648	°C	83
Rockwell Hardness	D785	R.Scale	94
Oven Ageing @ 150°C	D3012	Hours	360
Haze	D1003	%	17
Gloss	D523	%	73

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

Main Applications:

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