

# HDPE 7300

YUZEX 7300 is a high density polyethylene resin which offers a high impact resistance combined with good stiffness, high ESCR and creep resistance. This resin is particularly suitable for the PET bottle closure, especially in aseptic cap. YUZEX 7300 complies with FDA regulation 21 CFR177. 1520.

## Application / Use Case

Cap / PET bottle cap

## Specification

	Specification	Unit	Test Method
Density	0.965	g/cm <sup>3</sup>	ASTM D1505
Melt Index	1.0	g/10min	ASTM D1238

## Physical Properties

	Specification	Unit	Test Method
Softening Point(Vicat)	128	°C	ASTM D1525
Tensile Strength at Yield	300	kg/cm <sup>2</sup>	ASTM D638
Elongation at Break(MD)	> 500	%	ASTM D638
IZOD Impact Strength(Notched, 23°C)	8	kg cm/cm	ASTM D256
Flexural Modulus	12500	kg/cm <sup>2</sup>	ASTM D790
Hardness(Rockwell)	52	R Scale	ASTM D785
ESCR	> 30	hr	ASTM D1693
Brittleness Temperature	< -80	°C	ASTM D746

Note : These are **typical properties** only, and are **not to be construed as specifications**. The physical properties are highly dependent on the manufacturing conditions. So customers should performances by their own tests.

ISO 9001 Certified

