

HDPE 7220

YUZEX 7220 is a high density polyethylene resin with high melt processibility. It offers a high impact resistance combined with good stiffness and low warpage. This resin is particularly suitable for the production of PET bottle closure, cover of pails and crates, etc. YUZEX 7220 complies with FDA regulation 21 CFR177. 1520.

Application / Use Case

Injection Molding / PET bottle cap

Specification

	Specification	Unit	Test Method
Density	0.953	g/cm ³	ASTM D1505
Melt Index	6.5	g/10min	ASTM D1238

Physical Properties

	Specification	Unit	Test Method
Softening Point(Vicat)	120	°C	ASTM D1525
Tensile Strength at Yield	220	kg/cm ²	ASTM D638
Tensile Strength at Break	150	kg/cm ²	ASTM D638
Elongation at Break(MD)	> 500	%	ASTM D638
IZOD Impact Strength(Notched, 23°C)	10	kg cm/cm	ASTM D256
Flexural Modulus	6500	kg/cm ²	ASTM D790
ESCR	10	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

