

HDPE 7210

YUZEX 7210 is a high density polyethylene resin with good processibility. It offers a high impact resistance combined with good stiffness, high ESCR and low warpage. This resin is particularly suitable for the production of pails and crates. YUZEX 7210 complies with FDA regulation 21 CFR177.1520.

Application / Use Case

Injection Molding / Bottle cap, Bottle crate

Specification

	Specification	Unit	Test Method
Density	0.960	g/cm ³	ASTM D1505
Melt Index	5.5	g/10min	ASTM D1238

Physical Properties

	Value	Unit	Test Method
Softening Point(Vicat)	125	°C	ASTM D 1525
Tensile Strength at Yield	240	kg/cm ²	ASTM D638
Elongation at Break(MD)	Min. 500	%	ASTM D638
IZOD Impact Strength(Notched, 23°C)	7	kg cm/cm	ASTM D256
Dupont Impact Strength(23°C)	100	kg·cm	JIS K6718
Flexural Modulus	8500	kg/cm ²	ASTM D790
Hardness(Shore D)	41	Shore De	ASTM D2240
Hardness(Rockwell)	41	R Scale	ASTM D785
ESCR	40	hr	ASTM D1693
Brittleness Temperature	< -80	°C	ASTM D746

These are typical properties only, and are not to be construed as specific limits.