

YUZEX® 7210

High Density Polyethylene
SK Global Chemical

Message:

YUZEX 7210 is a high density polyethylene resin with good processability. 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.

General Information			
Features	Good Processability		
	Good Stiffness		
	High ESCR (Stress Crack Resist.)		
	High Impact Resistance		
	Low Warpage		
Uses	Bottles		
	Caps		
	Crates		
	Pails		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.960	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.5	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance	40.0	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	41		ASTM D785
Durometer Hardness (Shore D)	41		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	23.5	MPa	ASTM D638
Tensile Elongation (Break)	> 500	%	ASTM D638
Flexural Modulus	834	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	69	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -80.0	°C	ASTM D746
Vicat Softening Temperature	125	°C	ASTM D1525
Additional Information	Nominal Value	Unit	Test Method
DuPont Impact Strength	9.81	J	JIS K6718

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Recommended distributors for this material

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