

YUZEX® 7300

High Density Polyethylene
SK Global Chemical

Message:

YUZEX 7300 is a high density polyethylene grade 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.

General Information			
Features	Good Creep Resistance		
	Good Stiffness		
	High ESCR (Stress Crack Resist.)		
	High Impact Resistance		
Uses	Caps		
	Closures		
Agency Ratings	FDA 21 CFR 177.1520		
Physical	Nominal Value	Unit	Test Method
Density	0.965	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.0	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance	> 30.0	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	52		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	29.4	MPa	ASTM D638
Tensile Elongation (Break)	> 500	%	ASTM D638
Flexural Modulus	1230	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	78	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	128	°C	ASTM D1525

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Recommended distributors for this material

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