

YUZEX® 2520

High Density Polyethylene
SK Global Chemical

Message:

Y UZEX 2520 is high density polyethylene resin for ordinary small-size bottles. YUZEX 2520 shows high rigidity and excellent stress cracking resistance. So especially this grade enjoys good market share for containers such as detergent, shampoo, bleach and cosmetic. 2520 has good processibility by virtue of the wide molecular weight distribution. YUZEX 2520 complies with FDA regulation 21 CFR177.1520.

General Information			
Features	Food Contact Acceptable		
	Good Processability		
	High Density		
	High ESCR (Stress Crack Resist.)		
	High Rigidity		
	Wide Molecular Weight Distribution		
Uses	Bottles		
	Containers		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Blow Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.958	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.35	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance	300	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	63		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	27.5	MPa	ASTM D638
Tensile Elongation (Break)	> 500	%	ASTM D638
Flexural Modulus	1080	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	120	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -80.0	°C	ASTM D746

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

