

# ULTZEX™ 4570

Linear Low Density Polyethylene

Prime Polymer Co., Ltd.

## Message:

ULTZEX™ 4570 is a Linear Low Density Polyethylene product. It can be processed by injection molding and is available in Asia Pacific, Europe, or North America. Applications of ULTZEX™ 4570 include caps/lids/closures and consumer goods. Primary characteristic: high stiffness.

General Information			
Features	High Stiffness		
Uses	Caps		
	Consumer Applications		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.945	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	7.0	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance	50.0	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, Injection Molded)	60		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield, Injection Molded	18.0	MPa	
Break, Injection Molded	22.0	MPa	
Tensile Strain (Break, Injection Molded)	> 500	%	ISO 527-2
Flexural Modulus (Injection Molded)	660	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	18	kJ/m <sup>2</sup>	ISO 179
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	115	°C	ISO 306
Melting Temperature	127	°C	ISO 11357-3

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## Recommended distributors for this material

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