

ULTZEX™ 4550R

Linear Low Density Polyethylene

Prime Polymer Co., Ltd.

Message:

ULTZEX™ 4550R is a Linear Low Density Polyethylene product. It can be processed by rotational molding and is available in Asia Pacific, Europe, or North America. Typical application: Tanks. Primary characteristic: high escr (stress crack resistant).

General Information			
Features	High ESCR (Stress Crack Resist.)		
Uses	Tanks		
Processing Method	Rotational Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.931	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.6	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance	> 600	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, Injection Molded)	62		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield, Injection Molded	13.0	MPa	
Break, Injection Molded	25.0	MPa	
Tensile Strain (Break, Injection Molded)	> 500	%	ISO 527-2
Flexural Modulus (Injection Molded)	410	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	No Break		ISO 179
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	115	°C	ISO 306
Melting Temperature	124	°C	ISO 11357-3

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