

# NEO-ZEX™ 2540R

Linear Low Density Polyethylene  
Prime Polymer Co., Ltd.

Message:

NEO-ZEX™ 2540R is a Linear Low Density Polyethylene product. It can be processed by rotational molding and is available in Asia Pacific, Europe, or North America. Applications of NEO-ZEX™ 2540R include containers and plumbing/piping/potable water.  
Characteristics include:  
Good Stiffness  
Impact Resistant

General Information			
Features	Good Stiffness		
	High Impact Resistance		
Uses	Containers		
	Piping		
Processing Method	Rotational Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.923	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.4	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance	> 1000	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	57		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	11.0	MPa	ISO 527-2
Tensile Strain (Break)	470	%	ISO 527-2
Flexural Modulus	250	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	101	°C	ISO 306
Melting Temperature	121	°C	ISO 11357-3

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