

HI-ZEX™ 640UF

High Density Polyethylene

Prime Polymer Co., Ltd.

Message:

HI-ZEX™ 640UF is a High Density Polyethylene product. It can be processed by film extrusion and is available in Asia Pacific, Europe, or North America.
Typical application: Film.
Characteristics include:
Fast Molding Cycle
High Strength

General Information			
Features	Fast Molding Cycle		
	High Strength		
Uses	Film		
Processing Method	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.947	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.21	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance	< 1000	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, Compression Molded)	64		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (Compression Molded)	1000	MPa	ISO 527-2
Tensile Stress (Yield, Compression Molded)	23.0	MPa	ISO 527-2
Tensile Strain (Break, Compression Molded)	< 300	%	ISO 527-2
Flexural Modulus (Compression Molded)	1000	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	30	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	122	°C	ISO 306
Melting Temperature	131	°C	ISO 11357-3

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