

HI-ZEX™ 630ET

High Density Polyethylene
Prime Polymer Co., Ltd.

Message:

HI-ZEX™630ET is a high-density polyethylene product. It can be processed by pipeline extrusion molding or extrusion, and is available in North America, Europe or Asia Pacific. HI-ZEX™The application areas of 630ET include industrial applications and water pipes/pipes/drinking water. The main characteristics are: high strength.

General Information			
Features	High strength		
Uses	Industrial application		
	Piping system		
Forms	Particle		
Processing Method	Pipeline extrusion molding		
	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.955	g/cm³	ISO 1183
Environmental Stress-Cracking Resistance	> 1000	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	65		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1200	MPa	ISO 527-2
Tensile Stress (Yield)	28.0	MPa	ISO 527-2
Tensile Strain (Break)	300	%	ISO 527-2
Flexural Modulus	1300	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	20	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	124	°C	ISO 306
Melting Temperature (DSC)	133	°C	ISO 3146
Additional Information			

The value listed as Melting Temperature, ISO 3146, was tested in accordance with ISO 11357-3Tensile Strain at Break, ISO 527: >300%

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