HI-ZEX™ 2100JH

High Density Polyethylene

Prime Polymer Co., Ltd.

Message:

HI-ZEX™ 2100JH is a High Density Polyethylene product. It can be processed by injection molding and is available in Asia Pacific, Europe, or North America. Typical application: Industrial Applications. Primary characteristic: high escr (stress crack resistant).

General Information			
Features	High ESCR (Stress Crack Resist.)		
Uses	Industrial Applications		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.952	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	9.0	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance	16.0	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 Modulus (Injection Molded)	850	MPa	ISO 527-2
Tensile Stress (Yield, Injection Molded)	21.0	MPa	ISO 527-2
Tensile Strain (Break, Injection Molded)	310	%	ISO 527-2
Flexural Modulus (Injection Molded)	850	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Unnotched Impact Strength	5.0	kJ/m²	ISO 179
Thermal	**Nominal Value**	**Unit**	**Test Method**
Vicat Softening Temperature	122	°C	ISO 306
Melting Temperature	131	°C	ISO 11357-3

Recommended distributors for this material

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