

# HIVOREX 4100M

High Density Polyethylene

Lotte Chemical Corporation

## Message:

HIVOREX 4100M is produced by slurry process technology.

This resin is ideally suited for use in pipe coating application.

HIVOREX 4100M is designed to offer good processability, good ESCR.

General Information			
Features	Good Processability		
	High ESCR (Stress Crack Resist.)		
Uses	Pipe Coatings		
RoHS Compliance	RoHS Compliant		
Physical	Nominal Value	Unit	Test Method
Density	0.945	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.27	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (F50)	> 2000	hr	ASTM D1693
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	18.6	MPa	ASTM D638
Tensile Elongation (Break)	> 800	%	ASTM D638
Flexural Modulus	785	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	No Break		ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	120	°C	ASTM D1525
Melting Temperature	128	°C	

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## Recommended distributors for this material

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