

HIVOREX 8000M

High Density Polyethylene
Lotte Chemical Corporation

Message:

Good Processability
Good ESCR
PE 100 (MRS 10)

General Information			
Features	Good Processability		
	High ESCR (Stress Crack Resist.)		
Uses	Piping		
Agency Ratings	PPI PE-100		
Physical	Nominal Value	Unit	Test Method
Density	0.949	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.040	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	57		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	21.6	MPa	ASTM D638
Tensile Elongation (Break)	> 700	%	ASTM D638
Flexural Modulus	883	MPa	ASTM D790
Hydrostatic Pressure Test			ISO 1167
12.4 MPa : 20°C	> 200		
5.0 MPa : 80°C	> 5000		
5.5 MPa : 80°C	> 1000		
Oxidation Induction Time (200°C)	> 30	min	ISO 10837
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	No Break		ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	126	°C	ASTM D1525

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