

HIVOREX 8000M

High Density Polyethylene Pipe Grade
(ISO PE-100 Class)

General Information

Description

Good Processability
Good ESCR
PE 100 (MRS 10)

Applications

◆ Water supply pipe, Sewerage pipe, Gas pipe etc.

Physical Properties¹

Physical	Test Method	Nominal Values			
Melt Flow Index	ASTM D1238	0.04	g/10min		
Density	ASTM D1505	0.949	g/cm ³		
Mechanical					
Tensile Stress (Yield)	ASTM D638	220	kgf/cm ²	21.6	MPa
Tensile Strain (Break)	ASTM D638	>700	%	>700	%
Flexural Modulus	ASTM D790	9,000	kgf/cm ²	883	MPa
Impact					
Notched Izod Impact Strength (23℃)	ASTM D256	NB	kgf·cm/cm	NB	J/m
Thermal					
VICAT Softening Point	ASTM D1525	126	℃		
Additional Properties					
Rockwell Hardness	ASTM D785	57	R		
Oxidative Induction Time(200℃)	ISO/TR 10837	>30	min		
Hydrostatic Pressure Test	ISO 1167				
12.4MPa (20℃)	(>100)	>200			
5.5MPa (80℃)	(>165)	>1,000			
5.0Mpa (80℃)	(>1,000)	>5,000			

NOTE

ISO 9001, 14001, /TS 16949

¹ Physical Properties : these are not to be construed as specifications