

HIVOREX 4100M

High Density Polyethylene

General Information

Description

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.

Applications

- ◆ Steel pipe coating

Physical Properties¹

Physical	Test Method	Nominal Values			
Melt Flow Index	ASTM D1238	0.27	g/10min		
Density	ASTM D1505	0.945	g/cm³		
Mechanical					
Tensile Stress (Yield)	ASTM D638	190	kgf/cm²	18.6	MPa
Tensile Strain (Break)	ASTM D638	>800	%	>800	%
Flexural Modulus	ASTM D790	8,000	kgf/cm²	834	MPa
Impact					
Notched Izod Impact Strength (23℃)	ASTM D256	NB	kgf-cm/cm	NB	J/m
Thermal					
Melting Point	LC Method	128	℃		
VICAT Softening Point	ASTM D1525	120	℃		
Additional Properties					
ESCR	ASTM D1693	>2,000	F50 Hours		