

HIVOREX 8100GX

High Density Polyethylene

General Information

Description

Good thermal resistance and cold resistance
 Excellent impact resistance even at low temperature
 Good cross-linking property

Applications

◆ Underfloor heating, Outdoor heating, Radiator connectors, Central heating systems, Central water supply systems, Industrial piping

Physical Properties¹

Physical	Test Method	Nominal Values			
Melt Flow Index	ASTM D1238	0.02	g/10min		
Density	ASTM D1505	0.950	g/cm ³		
Mechanical					
Tensile Stress (Break)	ASTM D638	350	kgf/cm ²	34.3	MPa
Tensile Strain (Break)	ASTM D638	> 500	%	> 800	%
Flexural Modulus	ASTM D790	8,000	kgf/cm ²	785	MPa
Impact					
Notched Izod Impact Strength (23℃)	ASTM D256	NB	kgf-cm/cm	NB	J/m
Thermal					
VICAT Softening Point	ASTM D1525	124	℃		

NOTE

ISO 9001, 14001, /TS 16949

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