

HIVOREX 8301B

High Density Polyethylene

General Information

Description

Excellent impact resistance at low temperature, Excellent ESCR,
High molecular weight HDPE

Applications

◆ Bottle(large) and industrial tank, an automobile fuel tank.

Physical Properties¹

Physical	Test Method	Nominal Values			
Melt Flow Index	ASTM D1238	0.04/5.0	g/10min		
Density	ASTM D1505	0.950	g/cm ³		
Mechanical					
Tensile Stress (Yield)	ASTM D638	230	kgf/cm ²	22.6	MPa
Tensile Strain (Break)	ASTM D638	>800	%	>800	%
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	122	℃		
Brittle Temperature	ASTM D746	<-80	℃		
Additional Properties					
ESCR	ASTM D1693	>1,000	F50 Hours		

NOTE

ISO 9001, 14001, /TS 16949

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