

HIVOREX 5220BN

High Density Polyethylene

General Information

Description

High speed processability, Good ESCR , Good surface, Anti-static

Applications

◆ Bottle(small) and household product.(Shampoo, Bleach, Cosmetics)

Physical Properties¹

Physical	Test Method	Nominal Values			
Melt Flow Index	ASTM D1238	0.35	g/10min		
Density	ASTM D1505	0.958	g/cm ³		
Mechanical					
Tensile Stress (Yield)	ASTM D638	280	kgf/cm ²	27.5	MPa
Tensile Strain (Break)	ASTM D638	>500	%	>500	%
Flexural Modulus	ASTM D790	13,500	kgf/cm ²	1,324	MPa
Impact					
Notched Izod Impact Strength (23℃)	ASTM D256	12	kgf·cm/cm	1.2	J/m
Thermal					
VICAT Softening Point	ASTM D1525	123	℃		
Brittle Temperature	ASTM D746	<-80	℃		
Additional Properties					
ESCR	ASTM D1693	400	F50 Hours		

NOTE

ISO 9001, 14001, /TS 16949

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