

LOTTE CHEMICAL

January, 2013

HIVOREX 2210JU

High Density Polyethylene

General Information

Description

- ◆ 2210JU is a HDPE resin produced via Slurry process technology and suitable for injection molding.
- ◆ Good Stiffness, Good weather resistance
- ◆ UV Stability : UV-4¹

Applications

- ◆ Silicon Cartridge, Crate, Housewares, etc.

Physical Properties²

Physical	Test Method	Nominal Values			
Melt Flow Index	ASTM D1238	7.0	g/10min		
Density	ASTM D1505	0.959	g/cm ³		
Mechanical					
Tensile Stress (Yield)	ASTM D638	240	kgf/cm ²	23.5	MPa
Tensile Strain (Break)	ASTM D638	>300	%	>300	%
Flexural Modulus	ASTM D790	12,000	kgf/cm ²	1,177	MPa
Impact					
Notched Izod Impact Strength (23°C)	ASTM D256	10	kgf·cm/cm	98	J/m
Thermal					
VICAT Softening Point	ASTM D1525	122	°C		
Additional Properties					
ESCR	ASTM D1693	6	F50 Hours		

NOTE

ISO 9001, 14001, /TS 16949

¹Retained Elongation of 2mm specimen is over 50% at 4000hrs of Xenon Exposure(Test Method : ASTM D 2565)

² Physical Properties : these are not to be construed as specifications