

# HOPELEX PC-1220U

*Environment-friendly Polycarbonate resin*

## General Information

### Description

Hopelex PC-1220SU is a very low viscosity, clear polycarbonate, which is suitable for outdoor injection applications. Hopelex PC-1220U have UV stabilized ingredients to prevent degradation of final PC products from lights.

### Applications

- ◆ Outdoor and light exposed Injection products

## Physical Properties<sup>1</sup>

Physical	Test Method	Nominal Value	
Melt Flow Index	ASTM D1238	22.0	g/10min
Specific Gravity	ASTM D792	1.20	
Mold Shrinkage	ASTM D955	0.5~0.7	%
<b>Mechanical</b>			
Tensile Stress	ASTM D638	630	kgf/cm <sup>2</sup>
Tensile Elongation	ASTM D638	60	%
Flexural Modulus	ASTM D790	24000	kgf/cm <sup>2</sup>
Hardness (Rockwell)	ASTM D785	120	R scale
IZOD Impact Strength	ASTM D256	80	kg-cm/cm
<b>Thermal</b>			
Heat Distortion Temp.	ASTM D648	128	℃
Vicat Softening Temp.	ASTM D1525	153	℃
CLTE	ASTM D696	6~8	10 <sup>-5</sup> cm/cm/℃
<b>Optical</b>			
Light Transmittance	ASTM D1003	89	%
Haze	ASTM D1003	< 0.8	%
Refractive Index	ASTM D542	1.585	
<b>Electrical</b>			
Volume Resistivity	ASTM D257	3	10 <sup>16</sup> Ω·cm
Dielectric Constant	ASTM D150	2.95	

## Processing Information

Recommended Drying Condition	Drying at 120℃ for 4 hours before molding
Recommended Processing Condition	280~320℃ (should not exceed 330℃)

## Notes

ISO 9001, 14001, /TS 16949

<sup>1</sup> Physical Properties : these are not to be construed as specifications.