

LOTTE CHEMICAL

PC-1100U

Polycarbonate resin

Property	Unit	Test method	Value
MFI 300°C, 1.2kg	g/10min	ASTM D1238	10
Specific Gravity	-----	ASTM D792	1.20
Mold Shrinkage	%	ASTM D955	0.5~0.7
Tensile Strength, yield, 50mm/min	kgf/cm ²	ASTM D638	63
Tensile Elongation, break, 50mm/min	%	ASTM D638	>100
Flexural Strength, yield, 10mm/min	kgf/cm ²	ASTM D790	920
Flexural Modulus, 10mm/min	kgf/cm ²	ASTM D790	24,000
IZOD Impact Strength, notched, 23 °C, 1/8"	kg·cm/cm	IZOD Impact Strength, notched, 23 °C, 1/8"	80
Heat Distortion Temp.	°C	ASTM D648	143

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Vicat Softening Temp. Rate B/50	°C	ASTM D1525	150
Light Transmittance	%	ASTM D1003	89
Haze	%	ASTM D1003	< 0.8
Refractive Index	----	ASTM D542	1.585

Description : Hopelex PC-1100U is a medium viscosity, clear polycarbonate, which is suitable for outdoor injection applications. Hopelex PC-1100U have UV stabilized ingredients to prevent degradation of final PC products from lights.

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