



## PC-1100U LOTTE CHEMICAL

Lotte Chemical's PC-1100U is a UV-stabilized polycarbonate resin ideal for outdoor applications. Its medium viscosity balances processability and properties, making it suitable for injection molding. Offering good mold release, it's commonly used in automotive parts, lighting, signage, and building materials.

Producer	Key Features & Applications
LOTTE	Medium viscosity. High strength. UV protection Outdoor and light exposed extrusion & injection product

Typical Properties			
Resin Properties	Unit	Typical Value	Test Method
Melt Flow Index, 300°C, 1.2kg	g/10min	10	ASTM D1238
Specific Gravity	-	1.20	ASTM D792
Mold Shrinkage	%	0.5-0.7	ASTM D955
Tensile Strength, yield, 50mm/min	kgf/cm <sup>2</sup>	630	ASTM D638
Tensile Elongation, break, 50mm/min	%	>100	ASTM D638
Flexural Strength, yield, 10mm/min	kgf/cm <sup>2</sup>	920	ASTM D790
Flexural Modulus, 10mm/min	kgf/cm <sup>2</sup>	24000	ASTM D790
IZOD Impact Strength, notched, 23 °C, 1/8"	kg-cm/cm	80	ASTM D256
IZOD Impact Strength, notched, 23 °C, 1/4"	kg-cm/cm	-	ASTM D256
Heat Distortion Temp. 4.6kgf/cm <sup>2</sup>	°C	132	ASTM D648
Vicat Softening Temp. Rate B/50	°C	150	ASTM D1525
Light Transmittance	%	89	ASTM D1003
Haze	%	< 0.8	ASTM D1003
Refractive Index	-	1.585	ASTM D542