

HOPELEX PC-1100U

Polycarbonate
Honam Petrochemical Corporation



General			
Material Status	• Commercial: Active		
Availability	• Asia Pacific • Europe		
Physical			
	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	10	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.50 to 0.70	%	ASTM D955
Mechanical			
	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	61.8	MPa	ASTM D638
Tensile Elongation (Break)	110	%	ASTM D638
Flexural Modulus	2350	MPa	ASTM D790
Impact			
	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	850	J/m	ASTM D256
Hardness			
	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ASTM D785
Thermal			
	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 1.8 MPa, Unannealed	130	°C	ASTM D648
Vicat Softening Temperature	150	°C	ASTM D1525 ²
Optical			
	Nominal Value	Unit	Test Method
Transmittance	89.0	%	ASTM D1003
Haze	< 0.80	%	ASTM D1003

Notes

¹ Typical properties: these are not to be construed as specifications.

² Rate A (50°C/h), Loading 1 (10 N)