HOPELEX PC-1100U

Polycarbonate

Honam Petrochemical Corporation

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General	
Material Status	• Commercial: Active
Availability[1]	• Asia Pacific • Europe

Physical	Nominal Value Unit	Test Method
Specific Gravity[1]	1.20 g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	10 g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.60 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	2360 MPa	ASTM D790
Impact	**Nominal Value Unit**	**Test Method**
Notched Izod Impact (3.18 mm)	860 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		ASTM D648
1.8 MPa, Unannealed	130 °C	
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)

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