

General Information**Product Description**

High Surface hardness (Clear), Pencil Hardness 2H

General

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| Features | • High Hardness |
| Uses | • General Purpose |

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.16	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	27	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (300°C/1.2 kg)	26	cm ³ /10min	ISO 1133
Molding Shrinkage			Internal Method
Across Flow	0.50 to 0.70	%	
Flow	0.50 to 0.70	%	
Water Absorption (24 hr, 23°C)	0.19	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2700	MPa	ISO 527-1/1
Tensile Stress (Yield)	77.0	MPa	ISO 527-2/50
Tensile Strain			ISO 527-2/50
Yield	6.0	%	
Break	60	%	
Flexural Modulus ²	2700	MPa	ISO 178
Flexural Stress ²	107	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	3.0	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	130	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	113	°C	ISO 75-2/B
1.8 MPa, Unannealed	100	°C	ISO 75-2/A
CLTE			ISO 11359-2
Flow	6.5E-5	cm/cm/°C	
Transverse	6.7E-5	cm/cm/°C	
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.40 mm)	V-2		UL 94



Iupilon™ KH3410UR
Mitsubishi Engineering-Plastics Corp - Polycarbonate

Processing Information		
Injection	Nominal Value	Unit
Drying Temperature - Hot Air Dryer	100	°C
Drying Time - Hot Air Dryer	4.0 to 8.0	hr
Rear Temperature	250 to 290	°C
Middle Temperature	250 to 290	°C
Front Temperature	250 to 290	°C
Nozzle Temperature	250 to 290	°C
Mold Temperature	60 to 100	°C

