

Hybrid B2026IU

Polycarbonate + PBT

Ravago Manufacturing Americas, LLC

Technical Data

General

Material Status	<ul style="list-style-type: none"> Commercial: Active
Literature ¹	<ul style="list-style-type: none"> Processing - Hybrid PC/PBT (English) Technical Datasheet
Search for UL Yellow Card	<ul style="list-style-type: none"> Ravago Manufacturing Americas, LLC Hybrid
Availability	<ul style="list-style-type: none"> North America
Additive	<ul style="list-style-type: none"> UV Stabilizer
Features	<ul style="list-style-type: none"> Good Impact Resistance
RoHS Compliance	<ul style="list-style-type: none"> RoHS Compliant
Forms	<ul style="list-style-type: none"> Pellets
Processing Method	<ul style="list-style-type: none"> Injection Molding

Physical	Nominal Value Unit	Test Method
Specific Gravity	1.19 g/cm ³	ASTM D792 ISO 1183
Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)	26 g/10 min	ASTM D1238
Melt Volume-Flow Rate (MVR) (260°C/5.0 kg)	22.0 cm ³ /10min	ISO 1133
Molding Shrinkage - Flow	0.60 to 0.90 %	ASTM D955

Mechanical	Nominal Value Unit	Test Method
Tensile Modulus		
23°C	2030 MPa	ASTM D638
23°C	2100 MPa	ISO 527-2
Tensile Strength		
Yield, 23°C	54.5 MPa	ASTM D638
Yield, 23°C	55.0 MPa	ISO 527-2
Flexural Modulus		
23°C	2240 MPa	ASTM D790
23°C	2350 MPa	ISO 178
Flexural Strength		
23°C	75.0 MPa	ISO 178
Yield, 23°C	73.8 MPa	ASTM D790

Impact	Nominal Value Unit	Test Method
Notched Izod Impact		
-40°C	430 J/m	ASTM D256
23°C	750 J/m	ASTM D256
-40°C	35 kJ/m ²	ISO 180
23°C	60 kJ/m ²	ISO 180

Thermal	Nominal Value Unit	Test Method
Deflection Temperature Under Load		
1.8 MPa, Unannealed	102 °C	ASTM D648
1.8 MPa, Unannealed	103 °C	ISO 75-2/A

Injection	Nominal Value Unit
Drying Temperature	110 °C
Drying Time	4.0 to 5.0 hr
Drying Time, Maximum	12 hr
Suggested Max Moisture	0.020 %
Suggested Shot Size	50 to 80 %
Rear Temperature	238 to 266 °C

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Injection	Nominal Value Unit
Middle Temperature	243 to 271 °C
Front Temperature	249 to 277 °C
Nozzle Temperature	254 to 271 °C
Processing (Melt) Temp	254 to 271 °C
Mold Temperature	54.4 to 82.2 °C
Injection Rate	Moderate
Screw Speed	50 to 80 rpm

Injection Notes

Filling Pressure: Medium to High

Notes

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² Typical properties: these are not to be construed as specifications.
