



HYBRID B2025I

Ravago Manufacturing Americas - Polycarbonate + PBT

Saturday, January 18, 2020

General Information

General

Material Status	<ul style="list-style-type: none"> Commercial: Active
Availability	<ul style="list-style-type: none"> North America
Features	<ul style="list-style-type: none"> Low Temperature Impact Resistance
RoHS Compliance	<ul style="list-style-type: none"> RoHS Compliant
UL File Number	<ul style="list-style-type: none"> E157012
Forms	<ul style="list-style-type: none"> Pellets
Processing Method	<ul style="list-style-type: none"> Injection Molding

ASTM & ISO Properties¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.18	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (260°C/3.8 kg)	20	g/10 min	ASTM D1238
Molding Shrinkage - Flow (0.125 mm)	0.50 to 0.80	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	50.0	MPa	ISO 527-2
Tensile Strain (Break)	110	%	ISO 527-2
Flexural Modulus	2100	MPa	ISO 178
Flexural Stress	75.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180
-40°C	42	kJ/m ²	
23°C	50	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	101	°C	ISO 75-2/A

Notes

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