

Hybrid S466

Polycarbonate + ABS

Ravago Manufacturing Americas, LLC

Message:

PC/ABS, Maximum Toughness, Low Temperature Impact Strength, Elevated HDT

General Information			
UL YellowCard	E157012-224002		
Features	Good Toughness		
	Low Temperature Impact Resistance		
RoHS Compliance	RoHS Compliant		
UL File Number	E157012		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ASTM D1238
230°C/3.8 kg	2.4	g/10 min	
260°C/2.16 kg	6.0	g/10 min	
260°C/3.8 kg	20	g/10 min	
Molding Shrinkage - Flow (3.18 mm)	0.50 to 0.70	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	57.0	MPa	ISO 527-2
Tensile Strain (Break)	70	%	ISO 527-2
Flexural Modulus	2340	MPa	ISO 178
Flexural Stress	76.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180
--	50	kJ/m ²	
-40°C	20	kJ/m ²	
-20°C	35	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	113	°C	ISO 75-2/A
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm)	HB		UL 94

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