



HYBRID S493

Ravago Manufacturing Americas - Polycarbonate Alloy

Tuesday, November 5, 2019

General Information

Product Description

PC Alloy, General Purpose

General

Material Status	• Commercial: Active
Availability	• North America
Features	• General Purpose
Uses	• General Purpose
RoHS Compliance	• RoHS Compliant
Automotive Specifications	• MERCEDES BENZ US DBL 5404.21 Color: All Color Matches
UL File Number	• E157012
Forms	• Pellets

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.06	g/cm ³	ISO 1183
Melt Mass-Flow Rate (220°C/10.0 kg)	13	g/10 min	ASTM D1238
Molding Shrinkage - Flow (0.125 in)	0.50 to 0.70	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	6530	psi	ISO 527-2
Tensile Strain (Break)	50	%	ISO 527-2
Flexural Modulus	330000	psi	ISO 178
Flexural Stress	10200	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	8.1	ft-lb/in ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (264 psi, Unannealed)	216	°F	ISO 75-2/A
Vicat Softening Temperature	219	°F	ISO 306

Notes

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