

# Hybrid S493

Polycarbonate Alloy

Ravago Manufacturing Americas, LLC

Message:

PC Alloy, General Purpose

| General Information                               |                 |                   |             |
|---------------------------------------------------|-----------------|-------------------|-------------|
| Features                                          | General Purpose |                   |             |
| Uses                                              | General Purpose |                   |             |
| RoHS Compliance                                   | RoHS Compliant  |                   |             |
| UL File Number                                    | E157012         |                   |             |
| Forms                                             | Pellets         |                   |             |
| Physical                                          | Nominal Value   | Unit              | Test Method |
| Density                                           | 1.06            | g/cm <sup>3</sup> | ISO 1183    |
| Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)         | 13              | g/10 min          | ASTM D1238  |
| Molding Shrinkage - Flow (3.18 mm)                | 0.50 to 0.70    | %                 | ISO 294-4   |
| Mechanical                                        | Nominal Value   | Unit              | Test Method |
| Tensile Stress (Break)                            | 45.0            | MPa               | ISO 527-2   |
| Tensile Strain (Break)                            | 50              | %                 | ISO 527-2   |
| Flexural Modulus                                  | 2280            | MPa               | ISO 178     |
| Flexural Stress                                   | 70.0            | MPa               | ISO 178     |
| Impact                                            | Nominal Value   | Unit              | Test Method |
| Notched Izod Impact Strength                      | 17              | kJ/m <sup>2</sup> | ISO 180     |
| Thermal                                           | Nominal Value   | Unit              | Test Method |
| Heat Deflection Temperature (1.8 MPa, Unannealed) | 192             | °C                | ISO 75-2/A  |
| Vicat Softening Temperature                       | 104             | °C                | ISO 306     |

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