

Ravago Manufacturing Americas Hybrid S493 ABS + Polycarbonate Alloy

Category : Polymer , Thermoplastic , ABS Polymer , Polycarbonate (PC)

Material Notes:

Medium Impact, Enhanced Heat Performance Entecs proprietary products include a full range of compounds in the Nylon 6/6, Nylon 6, ABS, PBT, Polycarbonate, PC/ABS, PC/ASA, PC/PBT, and PPO/PPE resin families. Information provided by Ravago.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ravago-Manufacturing-Americas-Hybrid-S493-ABS-Polycarbonate-Alloy.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.06 g/cc	1.06 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0040 - 0.0070 cm/cm	0.0040 - 0.0070 in/in	ASTM D955
Melt Flow	13 g/10 min @Load 10.0 kg, Temperature 220 °C	13 g/10 min @Load 22.0 lb, Temperature 428 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	42.747 MPa	6199.9 psi	ASTM D638
Flexural Strength	77.22 MPa	11200 psi	ASTM D790
Flexural Modulus	2.516 GPa	364.9 ksi	ASTM D790
Izod Impact, Notched	2.5093 J/cm	4.7009 ft-lb/in	At 73°F; ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	92.0 °C	198 °F	ASTM D648
Vicat Softening Point	104 °C	219 °F	ASTM D1525
Flammability, UL94	HB	HB	

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