

**Ravago Manufacturing Americas Hysun™ 693 ASA (discontinued \*\*)**

Category : Polymer , Thermoplastic , ASA Polymer

**Material Notes:**

Entec's 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-Hysun-693-ASA-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Ravago-Manufacturing-Americas-Hysun-693-ASA-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Linear Mold Shrinkage	0.0040 - 0.0070 cm/cm	0.0040 - 0.0070 in/in	0.125 in; ASTM D955
Melt Flow	4.0 g/10 min @Load 10.0 kg, Temperature 220 °C	4.0 g/10 min @Load 22.0 lb, Temperature 428 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	84	84	ASTM D785
Tensile Strength, Yield	40.0 MPa	5800 psi	ASTM D638
Elongation at Break	25 %	25 %	ASTM D638
Tensile Modulus	2.00 GPa	290 ksi	ASTM D638
Flexural Modulus	1.65 GPa	239 ksi	ASTM D790
Izod Impact, Notched	0.961 J/cm	1.80 ft-lb/in	73°F, 0.125 in; ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	110 µm/m-°C @Temperature -40.0 - 176 °C	61.0 µin/in-°F @Temperature -40.0 - 349 °F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	100 °C	212 °F	Unannealed (0.250 in); ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	95.0 °C	203 °F	Unannealed (0.250 in); ASTM D648

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