

Ravago Manufacturing Americas Hylac® EX28 ABS

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Molded

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-Hylac-EX28-ABS.php

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.0030 - 0.0070 cm/cm	0.0030 - 0.0070 in/in	ASTM D955
Melt Flow	1.75 g/10 min @Load 3.80 kg, Temperature 230 °C	1.75 g/10 min @Load 8.38 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	101	101	ASTM D785
Tensile Strength, Yield	44.1 MPa	6400 psi	ASTM D638
Elongation at Break	40 %	40 %	ASTM D638
Tensile Modulus	2.43 GPa	352 ksi	ASTM D638
Flexural Yield Strength	62.1 MPa	9000 psi	ASTM D790
Flexural Modulus	2.24 GPa	325 ksi	ASTM D790
Izod Impact, Notched	3.52 J/cm	6.60 ft-lb/in	0.25 in; ASTM D256
	4.06 J/cm	7.60 ft-lb/in	73°F, 0.125 in; ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	115 µm/m-°C @Temperature -40.0 - 176 °C	64.0 µin/in-°F @Temperature -40.0 - 349 °F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	97.2 °C	207 °F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	87.2 °C	189 °F	Unannealed; ASTM D648
Vicat Softening Point	102 °C	215 °F	ASTM D1525

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+15 ohm-cm	1.00e+15 ohm-cm	ASTM D257

Processing Properties	Metric	English	Comments
Zone 1	191 - 210 °C	375 - 410 °F	
Zone 2	191 - 210 °C	375 - 410 °F	
Zone 3	199 - 221 °C	390 - 430 °F	
Zone 4	199 - 221 °C	390 - 430 °F	
Zone 5	199 - 221 °C	390 - 430 °F	
Adapter Temperature	221 - 241 °C	430 - 465 °F	
Die Temperature	221 - 241 °C	430 - 465 °F	
Drying Temperature	85.0 °C	185 °F	
Dry Time	3 hour	3 hour	
Moisture Content	<= 0.020 %	<= 0.020 %	

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