

Formosa TAIRILOY[®] AC2300

Product Description: General Purpose Grade. Characteristics: Metal plating
 Availability: Asia Pacific; Europe; North America
 Features: General Purpose; Platable

Physical Properties	Metric	English	Comments
Density	1.10 g/cc	0.0397 lb/in ³	ASTM D792
Linear Mold Shrinkage, Flow	0.0040 - 0.0060 cm/cm @Thickness 3.20 mm	0.0040 - 0.0060 in/in @Thickness 0.126 in	ASTM D955
Melt Flow	9.0 g/10 min @Load 5.00 kg, Temperature 240 °C	9.0 g/10 min @Load 11.0 lb, Temperature 464 °F	ASTM D1238
	21 g/10 min @Load 5.00 kg, Temperature 260 °C	21 g/10 min @Load 11.0 lb, Temperature 500 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	110	110	ASTM D785
Tensile Strength	50.0 MPa	7250 psi	ASTM D638
Flexural Strength	86.2 MPa	12500 psi	ASTM D790
Flexural Modulus	2.35 GPa	341 ksi	ASTM D790
Izod Impact, Unnotched	4.11 J/cm @Thickness 3.20 mm	7.70 ft-lb/in @Thickness 0.126 in	ASTM D256
Charpy Impact Unnotched	5.04 J/cm ² @Thickness 3.99 mm	24.0 ft-lb/in ² @Thickness 0.157 in	ISO 179

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	96.1 °C	205 °F	Unannealed, 1/4" bar; ASTM D648
Vicat Softening Point	117 °C @Load 1.02 kg	243 °F @Load 2.25 lb	ASTM D1525
Flammability, UL94	HB @Thickness 1.52 mm	HB @Thickness 0.0600 in	All Color