

TAIRILOY® AC2300

 Formosa Chemicals & Fibre Corporation - *Polycarbonate + ABS*
General Information
Product Description

General Purpose

Features: Metal plating

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Features	• General Purpose	• Platable	
Uses	• General Purpose		
Agency Ratings	• EC 1907/2006 (REACH)		
RoHS Compliance	• RoHS Compliant		
UL File Number	• E162823		
Resin ID (ISO 1043)	• >ABS+PC<		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity ²	1.08		ASTM D792
Density (73°F)	1.08	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ASTM D1238
240°C/5.0 kg	9.0	g/10 min	
260°C/5.0 kg	21	g/10 min	
Melt Mass-Flow Rate (MFR)			ISO 1133
240°C/5.0 kg	9.0	g/10 min	
260°C/5.0 kg	21	g/10 min	
Molding Shrinkage - Flow (0.126 in)	4.0E-3 to 6.0E-3	in/in	ASTM D955
Molding Shrinkage (0.126 in)	0.40 to 0.60	%	ISO 2577
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (73°F)	7250	psi	ASTM D638
Flexural Modulus (73°F)	341000	psi	ASTM D790
Flexural Modulus (73°F)	341000	psi	ISO 178
Flexural Strength (73°F)	12500	psi	ASTM D790
Flexural Stress (73°F)	12500	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F, 0.157 in)	19	ft·lb/in ²	ISO 179
Notched Izod Impact (73°F, 0.126 in)	10	ft·lb/in	ASTM D256
Notched Izod Impact Strength (73°F, 0.126 in)	260	ft·lb/in ²	ISO 180
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 73°F)	110		ASTM D785
Rockwell Hardness (R-Scale, 73°F)	110		ISO 2039-2
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed, 0.252 in)	205	°F	ASTM D648
Vicat Softening Temperature	243	°F	ASTM D1525 ³
Vicat Softening Temperature	243	°F	ISO 306/A
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.06 in		HB	
0.06 in, All Color		HB	

