

**TAIRILOY® AC2000**

Formosa Chemicals &amp; Fibre Corporation - Polycarbonate + ABS

## General Information

**Product Description**

General Purpose

Features: High impact

**General**

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

 Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity <sup>2</sup>	1.14		ASTM D792
Density (73°F)	1.14	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR)			ASTM D1238
240°C/5.0 kg	7.0	g/10 min	
260°C/5.0 kg	17	g/10 min	
Melt Mass-Flow Rate (MFR)			ISO 1133
240°C/5.0 kg	7.0	g/10 min	
260°C/5.0 kg	17	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)	8530	psi	ASTM D638
Tensile Stress (73°F)	8560	psi	ISO 527-2
Flexural Modulus (73°F)	341000	psi	ASTM D790
Flexural Modulus (73°F)	341000	psi	ISO 178
Flexural Strength (73°F)	13700	psi	ASTM D790
Flexural Stress (73°F)	13600	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (73°F, 0.157 in)	26	ft·lb/in <sup>2</sup>	ISO 179
Notched Izod Impact (73°F, 0.126 in)	12	ft·lb/in	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 73°F)	116		ASTM D785
Rockwell Hardness (R-Scale, 73°F)	116		ISO 2039-2
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed, 0.250 in)	234	°F	ASTM D648
Vicat Softening Temperature	277	°F	ASTM D1525 <sup>3</sup>
Vicat Softening Temperature	277	°F	ISO 306/A
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.06 in, All Color		HB	
0.06 to 0.12 in		HB	

