

TAIRILOY® AC2500

Formosa Chemicals & Fibre Corporation - Polycarbonate + ABS

General Information

Product Description

General Purpose

Features: Heat resistant

General

Material Status	• Commercial: Active
Availability	• Asia Pacific • Europe • North America
Features	• General Purpose • Good Heat 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 ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity ²	1.12		ASTM D792
Density (73°F)	1.12	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ASTM D1238
240°C/5.0 kg	8.0	g/10 min	
260°C/5.0 kg	19	g/10 min	
Melt Mass-Flow Rate (MFR)			ISO 1133
240°C/5.0 kg	8.0	g/10 min	
260°C/5.0 kg	19	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)	7820	psi	ASTM D638
Tensile Stress (73°F)	7830	psi	ISO 527-2
Flexural Modulus (73°F)	356000	psi	ASTM D790
Flexural Modulus (73°F)	355000	psi	ISO 178
Flexural Strength (73°F)	13500	psi	ASTM D790
Flexural Stress (73°F)	13500	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (73°F, 0.157 in)	24	ft·lb/in ²	ISO 179
Notched Izod Impact (73°F, 0.126 in)	1.1	ft·lb/in	ASTM D256
Notched Izod Impact Strength (73°F, 0.126 in)	280	ft·lb/in ²	ISO 180
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 73°F)	114		ASTM D785
Rockwell Hardness (R-Scale, 73°F)	114		ISO 2039-2
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed, 0.252 in)	223	°F	ASTM D648
Vicat Softening Temperature	266	°F	ASTM D1525 ³
Vicat Softening Temperature	266	°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
0.12 in, All Color	HB

Notes

¹ Typical properties: these are not to be construed as specifications.

² 23°C

³ Loading 1 (10 N)

