

**TAIRILOY® AC2500**

(PC+ABS)

Formosa Chemicals &amp; Fibre Corp.

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melt flow index, MFI	<b>19</b>	g/10min	ISO 1133
Temperature	<b>260</b>	°C	-
Load	<b>5</b>	kg	-
Molding shrinkage, parallel	<b>0.5</b>	%	ISO 294-4, 2577
<b>ASTM Data</b>			
Melt Flow Index, MFI	<b>8</b>	g/10min	ASTM D 1238
Temperature	<b>240</b>	°C	-
Load	<b>5</b>	kg	-
Mold Shrinkage, MD	<b>0.005</b>	mm/mm	ASTM D 955
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Strength	<b>54</b>	MPa	ISO 527
Flexural modulus, 23°C	<b>2450</b>	MPa	ISO 178
Flexural strength	<b>93</b>	MPa	ISO 178
Charpy impact strength, +23°C	<b>58</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Rockwell hardness	<b>R 114</b>	-	ISO 2039-2
<b>ASTM Data</b>			
Tensile Strength	<b>54</b>	MPa	ASTM D 638
Flexural Modulus	<b>2452</b>	MPa	ASTM D 790
Flexural Strength	<b>93.2</b>	MPa	ASTM D 790
Rockwell Hardness	<b>R 114</b>	-	ASTM D 785
Izod Impact notched, 1/8 in	<b>589</b>	J/m	ASTM D 256
<b>Thermal properties</b>			
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	<b>106</b>	°C	ISO 75-1/-2
Vicat softening temperature, A	<b>130</b>	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	<b>HB</b>	class	IEC 60695-11-10
Thickness tested	<b>1.5</b>	mm	-
Yellow Card available	<b>yes</b>	-	-
Burning behav. at thickness h	<b>HB</b>	class	IEC 60695-11-10
Thickness tested	<b>3.0</b>	mm	-
Yellow Card available	<b>yes</b>	-	-
<b>ASTM Data</b>			
UL 94 Flame rating	<b>HB</b>	-	UL 94
Thickness tested	<b>1.5</b>	mm	-
DTUL @ 264 psi	<b>106</b>	°C	ASTM D 648
Vicat Temperature	<b>130</b>	°C	ASTM D 1525
<b>Other properties</b>			
Density	<b>1120</b>	kg/m <sup>3</sup>	ISO 1183
Density	<b>1120</b>	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Special Characteristics**

Heat stabilized or stable to heat

**Certifications**

RoHS compliant

**Applications**

General Purpose

**Regional Availability**

Asia Pacific