

**TAIRILITE® AC3710**

PC

Formosa Chemicals &amp; Fibre Corp.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	<b>28</b>	g/10min	ASTM D 1238
Temperature	<b>300</b>	°C	-
Load	<b>1.2</b>	kg	-
Mold Shrinkage, MD	<b>0.006</b>	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Charpy impact strength, +23°C	<b>60</b>	kJ/m <sup>2</sup>	ISO 179/1eU
<b>ASTM Data</b>			
Tensile Strength	<b>63</b>	MPa	ASTM D 638
Flexural Modulus	<b>2350</b>	MPa	ASTM D 790
Flexural Strength	<b>104</b>	MPa	ASTM D 790
Rockwell Hardness	<b>R 122</b>	-	ASTM D 785
Izod Impact notched, 1/8 in	<b>550</b>	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Burning behav. at 1.5 mm nom. thickn.	<b>V-0</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>V-1</b>	class	IEC 60695-11-10
Thickness tested	<b>0.5</b>	mm	-
Yellow Card available	<b>yes</b>	-	-
Burning behav. 5V at thickness h	<b>5VB</b>	class	IEC 60695-11-20
Thickness tested	<b>1.5</b>	mm	-
Yellow Card available	<b>yes</b>	-	-
<b>ASTM Data</b>			
UL 94 Flame rating	<b>V-1</b>	-	UL 94
Thickness tested	<b>0.45</b>	mm	-
DTUL @ 66 psi	<b>111</b>	°C	ASTM D 648
Vicat Temperature	<b>120</b>	°C	ASTM D 1525

Other properties	Value	Unit	Test Standard
Density	<b>1200</b>	kg/m <sup>3</sup>	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	<b>90 - 100</b>	°C	-
Pre-drying - Time	<b>4 - 8</b>	h	-
Melt temperature	<b>260 - 300</b>	°C	-
Mold temperature	<b>80 - 95</b>	°C	-
Injection pressure	<b>5 - 8</b>	MPa	-

**Characteristics****Processing**

Injection Molding

**Certifications**

RoHS compliant

**Special Characteristics**

Flame retardant, Halogen-free

**Regional Availability**

Asia Pacific