

TAIRILOY® AC3100

(PC+ABS)

Formosa Chemicals & Fibre Corp.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	17	g/10min	ISO 1133
Temperature	260	°C	-
Load	2.16	kg	-
Molding shrinkage, parallel	0.5	%	ISO 294-4, 2577
ASTM Data			
Melt Flow Index, MFI	25	g/10min	ASTM D 1238
Temperature	240	°C	-
Load	5	kg	-
Mold Shrinkage, MD	0.005	mm/mm	ASTM D 955
Mechanical properties			
ISO Data			
Tensile Strength	60	MPa	ISO 527
Flexural modulus, 23°C	2440	MPa	ISO 178
Flexural strength	94	MPa	ISO 178
Charpy impact strength, +23°C	44	kJ/m ²	ISO 179/1eU
Rockwell hardness	R 118	-	ISO 2039-2
ASTM Data			
Tensile Strength	63.8	MPa	ASTM D 638
Flexural Modulus	2452	MPa	ASTM D 790
Flexural Strength	98	MPa	ASTM D 790
Rockwell Hardness	R 118	-	ASTM D 785
Izod Impact notched, 1/8 in	638	J/m	ASTM D 256
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	90	°C	ISO 75-1/-2
Vicat softening temperature, A	107	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	V-0	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
Yellow Card available	yes	-	-
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	2.3	mm	-
Yellow Card available	yes	-	-
Burning behav. 5V at thickness h	5VB	class	IEC 60695-11-20
Thickness tested	2.3	mm	-
Yellow Card available	yes	-	-
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	1.5	mm	-
DTUL @ 264 psi	90	°C	ASTM D 648
Vicat Temperature	107	°C	ASTM D 1525
Other properties			
Density	1180	kg/m ³	ISO 1183
Density	1180	kg/m ³	ASTM D 792

Characteristics**Special Characteristics**

Flame retardant, Halogen-free

Regional Availability

Asia Pacific

Certifications

RoHS compliant