

TAIRILAC® ANC100

ABS

Formosa Chemicals & Fibre Corp.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	7.5	g/10min	ASTM D 1238
Temperature	200	°C	-
Load	5	kg	-
Mold Shrinkage, MD	0.0045	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength	41.2	MPa	ASTM D 638
Flexural Modulus	2354	MPa	ASTM D 790
Flexural Strength	70.6	MPa	ASTM D 790
Rockwell Hardness	R 101	-	ASTM D 785
Izod Impact notched, 1/4 in	235	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
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. 5V at thickness h	5VA	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	78	°C	ASTM D 648
Vicat Temperature	84	°C	ASTM D 1525

Other properties	Value	Unit	Test Standard
Density	1210	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	70 - 80	°C	-
Pre-drying - Time	2 - 3	h	-
Melt temperature	160 - 200	°C	-
Mold temperature	40 - 70	°C	-
Injection pressure	60 - 110	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

Asia Pacific

Special Characteristics

Flame retardant