TAIRILAC® AG23AT-M

ABS — Formosa Chemicals & Fibre Corp.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	**21**	g/10min	ISO 1133
Temperature	**220**	°C	-
Load	**10**	kg	-
ASTM Data			
Melt Flow Index, MFI	**21**	g/10min	ASTM D 1238
Temperature	**220**	°C	-
Load	**10**	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	**44**	MPa	ISO 527
Flexural modulus, 23°C	**2250**	MPa	ISO 178
Flexural strength	**64**	MPa	ISO 178
Rockwell hardness	**R 107**	-	ISO 2039-2
ASTM Data			
Tensile Strength	**44.1**	MPa	ASTM D 638
Flexural Modulus	**2305**	MPa	ASTM D 790
Flexural Strength	**73.6**	MPa	ASTM D 790
Rockwell Hardness	**R 107**	-	ASTM D 785
Izod Impact notched, 1/4 in	**284**	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	**89**	°C	ISO 75-1/-2
Vicat softening temperature, B	**95**	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	**HB**	class	IEC 60695-11-10
Thickness tested	**1.5**	mm	-
Yellow Card available	**yes**	-	-
ASTM Data			
UL 94 Flame rating	**HB**	-	UL 94
Thickness tested	**1.5**	mm	-
DTUL @ 264 psi	**89**	°C	ASTM D 648
Vicat Temperature	**95**	°C	ASTM D 1525

Other properties	Value	Unit	Test Standard
Density	**1040**	kg/m³	ISO 1183
Density	**1040**	kg/m³	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	**190 - 230**	°C	-
Mold temperature	**40 - 80**	°C	-
Injection pressure	**70 - 110**	MPa	-

Characteristics

Processing

Injection Molding

Regional Availability

Asia Pacific

Special Characteristics

Platable, High impact or impact modified