TAIRILAC AG22AT

Acrylonitrile Butadiene Styrene

Formosa Plastics Corporation

Message:

FCFC ABS resin AG22AT meets the requirements of UL, SGS and the certificates of environmental protection.

General Information			
UL YellowCard	E162823-224719		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
UL File Number	E162823		
Forms	Particle		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity			
--	1.04	g/cm³	ASTM D792
23°C	1.04	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR)			ASTM D1238, ISO 1133
200°C/5.0 kg	1.4	g/10 min	ASTM D1238, ISO 1133
220°C/10.0 kg	15	g/10 min	ASTM D1238, ISO 1133
Molding Shrinkage - Flow	0.40 - 0.70	%	Internal method
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness			
Class R, 23°C	104		ASTM D785
R scale, 23°C	104		ISO 2039-2
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength			
23°C	43.1	MPa	ASTM D638
23°C	43.0	MPa	ISO 527-2
Flexural Modulus (23°C)	2350	MPa	ASTM D790, ISO 178
Flexural Strength (23°C)	72.0	MPa	ASTM D790, ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Unnotched Izod Impact (23°C, 6.35 mm)	250	J/m	ISO 180, ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ASTM D648, ISO 75-2/A
1.8 MPa, unannealed, 12.7mm	87.0	°C	ASTM D648, ISO 75-2/A
1.8 MPa, annealed [1]	97.0	°C	ASTM D648, ISO 75-2/A
Vicat Softening Temperature	102	°C	ISO 306/A, ASTM D1525 [2]
Flammability	**Nominal Value**		**Test Method**
Flame Rating (1.50 mm, All Colors)	HB		UL 94

Injection	Nominal Value	Unit
Drying Temperature	70.0 - 80.0	°C
Drying Time	2.0 - 3.0	hr
Mold Temperature	40.0 - 80.0	°C
Injection Pressure	68.6 - 108	MPa
Injection instructions		
Screw Temp: 190 to 230°C		
NOTE		
1.	80°Cx8Hr	
2.	压 力1 (10N)	

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