

TAIRILITE AC3710

Polycarbonate
Formosa Plastics Corporation

Message:

FCFC PC resin AC3710 meets the requirements of UL, SGS and the certificates of environmental protection.

General Information			
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			
--	1.20	g/cm ³	ASTM D792
23°C	1.20	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	25	g/10 min	ASTM D1238, ISO 1133
Molding Shrinkage - Flow	0.50 - 0.70	%	Internal method
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			
Class R, 23°C	122		ASTM D785
R scale, 23°C	122		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
23°C	58.8	MPa	ASTM D638
23°C	59.0	MPa	ISO 527-2
Flexural Modulus (23°C)	2250	MPa	ASTM D790, ISO 178
Flexural Strength (23°C)	98.0	MPa	ASTM D790, ISO 178
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact (23°C, 3.18 mm)	640	J/m	ISO 180, ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.18 mm)	110	°C	ASTM D648, ISO 75-2/A
Flammability	Nominal Value		Test Method
Flame Rating (0.800 mm, All Colors)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	120 - 130	°C	
Drying Time	4.0 - 8.0	hr	
Mold Temperature	80.0 - 100	°C	
Injection Pressure	4.90 - 7.85	MPa	

Injection instructions

Screw Temp: 260 to 290°C

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

