Taitalac® 6000

Acrylonitrile Butadiene Styrene

Taita Chemical Company, Ltd.

Message:

Taitalac®6000 is an acrylonitrile butadiene styrene (ABS) material. This product is available in North America or Asia Pacific region. The processing method is injection molding.
Taitalac®The main features of the 6000 are:
flame retardant/rated flame
high liquidity
Impact resistance
Typical application areas include:
business/office supplies
Consumer goods

General Information			
UL YellowCard	E50263-241894		
Features	Impact resistance, high High liquidity		
Uses	Business equipment Footwear		
UL File Number	E50263		
Forms	Particle		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.03	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
200°C/5.0 kg	1.6	g/10 min	ASTM D1238
220°C/10.0 kg	16	g/10 min	ASTM D1238
Molding Shrinkage - Flow	< 0.40	%	ASTM D955
Water Absorption (24 hr)	< 0.30	%	ASTM D570
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale, 23°C)	107		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [1]			ASTM D638
Yield, 23°C, 3.18mm	36.5	MPa	ASTM D638
Fracture, 23°C, 3.18mm	30.3	MPa	ASTM D638
Tensile Elongation [2] (Break, 23°C, 3.18 mm)	30	%	ASTM D638
Flexural Modulus [3] (23°C)	2140	MPa	ASTM D790
Flexural Strength [4] (Yield, 23°C)	62.8	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact			ASTM D256

23°C, 3.18 mm	290	J/m	ASTM D256
23°C, 6.35 mm	260	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 12.7 mm)	82.0	°C	ASTM D648
Vicat Softening Temperature	101	°C	ASTM D1525 [5]
RTI Elec (1.57 mm)	60.0	°C	UL 746
RTI Imp (1.57 mm)	60.0	°C	UL 746
RTI (1.57 mm)	60.0	°C	UL 746
Electrical	Nominal Value	Unit	Test Method
High Amp Arc Ignition (HAI) (1.57 mm)	200		UL 746
High Voltage Arc Tracking Rate (HVTR) (1.57 mm)	0.00	mm/min	UL 746
Hot-wire Ignition (HWI) (1.57 mm)	13	sec	UL 746
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.59 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	80.0 - 85.0	°C	
Drying Time	2.0 - 4.0	hr	
Rear Temperature	190 - 220	°C	
Middle Temperature	200 - 230	°C	
Front Temperature	190 - 220	°C	
Nozzle Temperature	210 - 240	°C	
Processing (Melt) Temp	180 - 190	°C	
Mold Temperature	40.0 - 70.0	°C	
Injection Rate	Moderate-Fast		
Back Pressure	0.345 - 0.483	MPa	
Screw Speed	30 - 100	rpm	
Injection instructions			
Injection Pressure: Moderate to Moderately High			
NOTE			
1.	5.0 mm/min		
2.	5.0 mm/min		
3.	2.8 mm/min		
4.	2.8 mm/min		
5.	压 力1 (10N)		

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