Taitalac® 5000

Acrylonitrile Butadiene Styrene

Taita Chemical Company, Ltd.

Message:

Taitalac®5000 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 5000 are:
flame retardant/rated flame
high gloss
high liquidity
Good processability
Hard
Typical application areas include:
Electrical/electronic applications
electrical appliances
House
home apps

General Information			
UL YellowCard	E50263-241889		
Features	Rigidity, high Highlight Workability, good High liquidity Medium impact resistance		
Uses	Electrical appliances Household goods Audio tape Shell		
UL File Number	E50263		
Forms	Particle		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.04	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
200°C/5.0 kg	2.0	g/10 min	ASTM D1238
220°C/10.0 kg	20	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)	115		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**

Tensile Strength [1]			ASTM D638
Yield, 23°C, 3.18mm	42.1	MPa	ASTM D638
Fracture, 23°C, 3.18mm	35.2	MPa	ASTM D638
Tensile Elongation [2] (Break, 23°C, 3.18 mm)	30	%	ASTM D638
Flexural Modulus [3] (23°C)	2550	MPa	ASTM D790
Flexural Strength [4] (Yield, 23°C)	73.5	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact			ASTM D256
23°C, 3.18 mm	200	J/m	ASTM D256
23°C, 6.35 mm	180	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (1.8 MPa, Unannealed, 12.7 mm)	83.0	°C	ASTM D648
Vicat Softening Temperature	103	°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)	18	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	185 - 215	°C	
Middle Temperature	195 - 225	°C	
Front Temperature	185 - 215	°C	
Nozzle Temperature	205 - 235	°C	
Processing (Melt) Temp	170 - 180	°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)

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