Taitalac® 1002

Acrylonitrile Butadiene Styrene

Taita Chemical Company, Ltd.

Message:

Taitalac ABS 1002 is a high flow resin that features outstanding processability and high productivity. Uses include large or complex shaped products, TV housings, vacuum cleaners, various leisure goods, air conditioners, cash registers and floppy disks.

General Information			
UL YellowCard	E50263-241881		
Features	Workability, good Fast molding cycle High liquidity		
Uses	Electrical/Electronic Applications Electrical housing		
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) (200°C/5.0 kg)	2.3	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)	112		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength			ASTM D638
Yield, 23°C, 3.18mm	40.7	MPa	ASTM D638
Fracture, 23°C, 3.18mm	35.2	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	30	%	ASTM D638
Flexural Modulus [1] (23°C)	2550	MPa	ASTM D790
Flexural Strength [2] (Yield, 23°C)	71.0	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C, 12.7 mm)	230	J/m	ASTM D256A
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (1.8 MPa, Unannealed)	82.8	°C	ASTM D648
Vicat Softening Temperature	97.8	°C	ASTM D1525
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)	0.00254	mm/min	UL 746
Hot-wire Ignition (HWI) (1.57 mm)	16	sec	UL 746
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating (1.59 mm)	HB		UL 94
Additional Information			
Melt Flow Rate, ASTM D1238, 200°C, 5kg: 1.5 to 3.0 g/10min			
NOTE			
1.	2.8 mm/min		
2.	2.8 mm/min		

Recommended distributors for this material

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