



## TAITALAC 1000T

### ABS Resin

**DESCRIPTION**

- Injection
- Medium high impact
- Good flow for process
- High gloss
- High fatigue resistance

Properties	Test	Test Condition	SI unit		English unit	
			Unit	s.p.	Unit	s.p.
Specific Gravity	ASTMD792			1.03		
Melt Flow Index	ASTMD1238	200°C, 5kg load	g/10min	1.8		
Melt Flow Index	ASTMD1238	220°C, 10kg load	g/10min	18		
<b>Mechanical</b>						
Izod Impact Strength	ASTMD256	23°C, 1/4 in notched	kg-cm/cm	23	ft-lb/in	4.2
Izod Impact Strength	ASTMD256	23°C, 1/8 in notched	kg-cm/cm	27	ft-lb/in	4.9
Tensile Strength at Yield	ASTMD638	23°C, 1/8 in, 5 mm/min	kg/cm <sup>2</sup>	410	psi	5800
Tensile Strength at Break	ASTMD638	23°C, 1/8 in, 5 mm/min	kg/cm <sup>2</sup>	360	psi	5100
Elongation at Break	ASTMD638	23°C, 1/8 in, 5 mm/min	%	30		
Flexural Yield	ASTMD790	23°C, 2.8 mm/min	kg/cm <sup>2</sup>	700	psi	10000
Flexural Modulus	ASTMD790	23°C, 2.8 mm/min	kg/cm <sup>2</sup>	24000	psi	340000
<b>Thermal</b>						
Heat Distortion Temperature	ASTMD648	Unannealed, 1/2 in, 18.56 kg/cm <sup>2</sup> load pressure	°C	86	°F	187
Vicat Softening Temperature	ASTMD1525	1/8 in, 1 kg load	°C	103	°F	217
<b>Physical</b>						
Rockwell Hardness	ASTMD785	23°C, R-scale	R-scale	110		
Mold Shrinkage	ASTMD955		%	≤0.4		
Water Absorption	ASTMD570		wt %	≤0.3		
<b>Flammability</b>						
	UL-94	1/16 in	File No E50263	HB		
<b>Electrical</b>						
Relative Temperature Index	UL-764B	0.062 in above	°C	60	°F	140
Hot Wire Ignition	UL-764A	0.062 in above	Secs	17		
High Current Arc Ignition	UL-764A	0.062 in above	Arcs	200		
Arc Tracking Rate	UL-764A	0.062 in above	in/min	0		

**APPLICATION**

- Computer / TV / telephone housing
- Toy and furniture components
- Extrusion film
- Office equipment
- Kitchen appliances
- House-ware
- Battery
- Shoes

Note : The data listed represent average values and are believed to be reliable. They are given for information; no guarantee of their accuracy is made.