

**TAITALAC 5000W****ABS Resin****DESCRIPTION**

- Injection
- Medium impact
- High gloss
- High rigidity

Properties	Test	Test Condition	SI unit		English unit	
			Unit	s.p.	Unit	s.p.
Specific Gravity	ASTMD792			1.04		
Melt Flow Index	ASTMD1238	200°C , 5kg load	g/10min	1.8		
Melt Flow Index	ASTMD1238	220°C , 10kg load	g/10min	20		
Mechanical						
Izod Impact Strength	ASTMD256	23°C , 1/4 in notched	kg-cm/cm	18	ft-lb/in	3.3
Izod Impact Strength	ASTMD256	23°C , 1/8 in notched	kg-cm/cm	21	ft-lb/in	3.8
Tensile Strength at Yield	ASTMD638	23°C , 1/8 in, 5 mm/min	kg/cm ²	450	psi	6500
Tensile Strength at Break	ASTMD638	23°C , 1/8 in, 5 mm/min	kg/cm ²	380	psi	5400
Elongation at Break	ASTMD638	23°C , 1/8 in, 5 mm/min	%	30		
Flexural Yield	ASTMD790	23°C , 2.8 mm/min	kg/cm ²	790	psi	11300
Flexural Modulus	ASTMD790	23°C , 2.8 mm/min	kg/cm ²	27000	psi	380000
Thermal						
Heat Distortion Temperature	ASTMD648	Unannealed, 1/2 in, 18.56 kg/cm ² load pressure	°C	85	°F	185
Vicat Softening Temperature	ASTMD1525	1/8 in , 1 kg load	°C	103	°F	217
Physical						
Rockwell Hardness	ASTMD785	23°C , R-scale	R-scale	115		
Mold Shrinkage	ASTMD955		%	≤0.4		
Water Absorption	ASTMD570		wt %	≤0.3		
Flammability	UL-94	1/16 in	File No E50263	HB		
Electrical						
Relative Temperature Index	UL-746B	0.062 in above	°C	60	°F	140
Hot Wire Ignition	UL-746A	0.062 in above	Secs	18		
High Current Arc Ignition	UL-746A	0.062 in above	Arcs	200		
Arc Tracking Rate	UL-746A	0.062 in above	in/min	0		

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.