

Taita Chemical Company, Limited



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Product Information
Ver. : 6.0

TAITALAC 5000S

ABS Resin

DESCRIPTION

- Injection
- Medium impact
- Good flow for process
- High gloss
- High rigidity

APPLICATION

- Tape recorders
- Video cassettes
- Clocks
- Office equipment
- House-ware

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	2.1		
Melt Flow Index	ASTMD1238	220°C , 10kg load	g/10min	23.0		
Mechanical						
Izod Impact Strength	ASTMD256	23°C , 1/4 in notched	kg-cm/cm	16	ft-lb/in	2.9
Izod Impact Strength	ASTMD256	23°C , 1/8 in notched	kg-cm/cm	16	ft-lb/in	2.9
Tensile Strength at Yield	ASTMD638	23°C , 1/8 in, 5 mm/min	kg/cm ²	480	psi	6800
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	%	20		
Flexural Yield	ASTMD790	23°C , 2.8 mm/min	kg/cm ²	800	Psi	11400
Flexural Modulus	ASTMD790	23°C , 2.8 mm/min	kg/cm ²	30000	Psi	420000
Thermal						
Heat Distortion Temperature	ASTMD648	Unannealed, 1/2 in, 18.56 kg/cm ² load pressure	°C	83	°F	181
Vicat Softening Temperature	ASTMD1525	1/8 in , 1 kg load	°C	104	°F	219
Physical						
Rockwell Hardness	ASTMD785	23°C , R-scale	R-scale	119		
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	15		
High Current Arc Ignition	UL-746A	0.062 in above	Arcs	15		
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.