

Taita Chemical Company, Limited



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Product Information
Ver. : 6.0

TAITALAC 8540T

FR-ABS Resin

DESCRIPTION

- Medium high impact
- Injection molding
- High flow for process
- UL 1/16" V-0

Properties	Test	Test Condition	SI unit		English unit	
			Unit	s.p.	Unit	s.p.
Specific Gravity	ASTMD792			1.17		
Melt Flow Index	ASTMD1238	200°C , 5kg load	g/10min	5.0		
Melt Flow Index	ASTMD1238	220°C , 10kg load	g/10min	45.0		
Mechanical						
Izod Impact Strength	ASTMD256	23°C , 1/4 in notched	kg-cm/cm	17	ft-lb/in	3.1
Izod Impact Strength	ASTMD256	23°C , 1/8 in notched	kg-cm/cm	20	ft-lb/in	3.6
Tensile Strength at Yield	ASTMD638	23°C , 1/8 in, 5 mm/min	kg/cm ²	380	psi	5400
Tensile Strength at Break	ASTMD638	23°C , 1/8 in, 5 mm/min	kg/cm ²	300	psi	4300
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	600	psi	8500
Flexural Modulus	ASTMD790	23°C , 2.8 mm/min	kg/cm ²	22000	psi	310000
Thermal						
Heat Distortion Temperature	ASTMD648	Unannealed, 1/2 in, 18.56 kg/cm ² load pressure	°C	77	°F	171
Vicat Softening Temperature	ASTMD1525	1/8 in , 1 kg load	°C	94	°F	201
Physical						
Rockwell Hardness	ASTMD785	23°C , R-scale	R-scale	102		
Mold Shrinkage	ASTMD955		%	≤0.4		
Water Absorption	ASTMD570		wt %	≤0.3		
Flammability	UL-94	1/16 in	File No E50263	1/16"V-0 1/8"5VA		
Electrical						
Relative Temperature Index	UL-746B	0.062 in above	°C	60	°F	140
Hot Wire Ignition	UL-746A	0.062 in above	Secs	57		
High Current Arc Ignition	UL-746A	0.062 in above	Arcs	10		
Arc Tracking Rate	UL-746A	0.062 in above	in/min	4.2		

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.