

Taita Chemical Company, Limited



Head Office : 12FL, No.39, Ji-Hu, Taipei, Taiwan
Tel : (886) 2-8751-6888
Fax : (886) 2-2650-3260

Product Information
Ver. : 6.0

TAITALAC 3000K

ABS Resin

DESCRIPTION

- High impact
- Extrusion
- Good chemical 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	0.6		
Melt Flow Index	ASTMD1238	220°C , 10kg load	g/10min	7.0		
Mechanical						
Izod Impact Strength	ASTMD256	23°C , 1/4 in notched	kg-cm/cm	40	ft-lb/in	7.3
Izod Impact Strength	ASTMD256	23°C , 1/8 in notched	kg-cm/cm	47	ft-lb/in	8.2
Tensile Strength at Yield	ASTMD638	23°C , 1/8 in, 5 mm/min	kg/cm ²	380	psi	5800
Tensile Strength at Break	ASTMD638	23°C , 1/8 in, 5 mm/min	kg/cm ²	320	psi	4700
Elongation at Break	ASTMD638	23°C , 1/8 in, 5 mm/min	%	50		
Flexural Yield	ASTMD790	23°C , 2.8 mm/min	kg/cm ²	600	psi	8700
Flexural Modulus	ASTMD790	23°C , 2.8 mm/min	kg/cm ²	21000	psi	300000
Thermal						
Heat Distortion Temperature	ASTMD648	Unannealed, 1/2 in, 18.56 kg/cm ² load pressure	°C	85	°F	190
Vicat Softening Temperature	ASTMD1525	1/8 in , 1 kg load	°C	102	°F	221
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	-		
Electrical						
Relative Temperature Index	UL-746B	0.062 in above	°C	-	°F	-
Hot Wire Ignition	UL-746A	0.062 in above	Secs	-		
High Current Arc Ignition	UL-746A	0.062 in above	Arcs	-		
Arc Tracking Rate	UL-746A	0.062 in above	in/min	-		

APPLICATION

- Attache cases
- Luggage
- Extruded plate
- Tool box
- Low temperature use
- Vacuum molding

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.