



TAITALAC 5000

ABS Resin

Characteristics

- Injection
- Medium level impact strength
- Easy process, high melt flow
- High gloss
- High rigidity

Property	ASTM	Test Conditions	Metric system		English units	
			Unit	Property	Unit	Property
Mechanical						
Izod Impact Strength	ASTMD256	23°C, 1/2 inch, notched	kg-cm/cm	17	ft-lb/in	3.1
Izod Impact Strength	ASTMD256	23°C, 1/8 inch, notched	kg-cm/cm	21	ft-lb/in	3.8
Tensile strength at yield	ASTMD638	23°C, 1/8 inch, 5 mm/min	kg/cm ²	460	psi	6600
Tensile strength at break	ASTMD638	23°C, 1/8 inch, 5 mm/min	kg/cm ²	360	psi	5100
Elongation at Break	ASTMD638	23°C, 1/8 inch, 5 mm/min	%	20		
Flexural Yield	ASTMD790	23°C, 2.8 mm/min	kg/cm ²	750	psi	10700
Flexural Modulus	ASTMD790	23°C, 2.8 mm/min	kg/cm ²	26000	psi	370000
Thermal						
Heat Distortion Temp.	ASTMD648	unannealed, 1/2 inch, 18.56 kg/cm ² load	°C	88	°F	190
Vicat Softening Temp.	ASTMD1525	1/8 inch, 1kg load	°C	103	°F	217
Physical Property						
Specific Gravity	ASTMD792			1.03		
Rockwell Hardness	ASTMD785	23°C, R-scale	R-scale	115		
Mold Shrinkage	ASTMD955		%	≤ 0.4		
Water Absorption	ASTMD570		wt %	≤ 0.3		
Melt Flow Index	ASTMD1238	200°C, 5kg load	g/10min	2.2		
Melt Flow Index	ASTMD1238	220°C, 10kg load	g/10min	20.0		
Flammability	UL-94	1/16 inch	File No E50263	HB		
Electrical						
Relative Temp. Index(RTI)	UL-764B	0.062 inch plus	°C	60	°F	140
Hot wire Ignition(HWI)	UL-764A	0.062 inch plus	Secs	18		
High Current Arc Ignition(HCAI)	UL-764A	0.062 inch plus	Arcs	200		
Arc Tracking Rate(ATR)	UL-764A	0.062 inch plus	in/min	0		

Note1: Laboratory testing result. It is not the test result of contracted products.

Note2: Property of dyed products are as same as the natural product.