



TAITALAC 1003

ABS Resin

DESCRIPTION

- Injection
- High impact
- High flow for process
- High productivity

APPLICATION

- Electrical appliances
- Shoes
- Large complex shaped products
- TV housing
- Vacuum cleaner
- Air conditioner
- Cash registers

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	3.5		
Melt Flow Index	ASTMD1238	220°C , 10kg load	g/10min	35		
Mechanical						
Izod Impact Strength	ASTMD256	23°C , 1/4 in notched	kg-cm/cm	22	ft-lb/in	4.0
Izod Impact Strength	ASTMD256	23°C , 1/8 in notched	kg-cm/cm	24	ft-lb/in	4.4
Tensile Strength at Yield	ASTMD638	23°C , 1/8 in, 5 mm/min	kg/cm ²	370	psi	5300
Tensile Strength at Break	ASTMD638	23°C , 1/8 in, 5 mm/min	kg/cm ²	330	psi	4700
Elongation at Break	ASTMD638	23°C , 1/8 in, 5 mm/min	%	40		
Flexural Yield	ASTMD790	23°C , 2.8 mm/min	kg/cm ²	670	psi	9600
Flexural Modulus	ASTMD790	23°C , 2.8 mm/min	kg/cm ²	25000	psi	360000
Thermal						
Heat Distortion Temperature	ASTMD648	Unannealed, 1/2 in, 18.56 kg/cm ² load pressure	°C	84	°F	183
Vicat Softening Temperature	ASTMD1525	1/8 in , 1 kg load	°C	101	°F	208
Physical						
Rockwell Hardness	ASTMD785	23°C , R-scale	R-scale	107		
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	-	°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	-		

