



TAITALAC 5002

ABS Resin

DESCRIPTION

- Injection
- Medium impact
- Highflow for process
- High gloss
- High rigidity

APPLICATION

- Electric products
- Complex products
- Vacuum cleaner
- Air conditioner
- Case register

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	3.2		
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	17	ft-lb/in	3.5
Izod Impact Strength	ASTMD256	23°C , 1/8 in notched	kg-cm/cm	19	ft-lb/in	3.9
Tensile Strength at Yield	ASTMD638	23°C , 1/8 in, 5 mm/min	kg/cm ²	430	psi	6100
Tensile Strength at Break	ASTMD638	23°C , 1/8 in, 5 mm/min	kg/cm ²	370	psi	5200
Elongation at Break	ASTMD638	23°C , 1/8 in, 5 mm/min	%	35		
Flexural Yield	ASTMD790	23°C , 2.8 mm/min	kg/cm ²	700	psi	9800
Flexural Modulus	ASTMD790	23°C , 2.8 mm/min	kg/cm ²	22000	psi	330000
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	102	°F	210
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		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	13		
High Current Arc Ignition	UL-746A	0.062 in above	Arcs	200		
Arc Tracking Rate	UL-746A	0.062 in above	in/min	0		

