

**TAITALAC 1400**

SAN Resin

Acrylonitrile Styrene (AS) Resin

Characteristics	Applications
- Injection molding - Compounding	- Glass fiber compounding - Alloy compounding

Properties	Test	Test Condition	SI unit	
			Unit	s.p.
Rheological Properties				
Specific Gravity	ASTM D792	23°C	g/cm³	1.03
Melt Volume Rate	ASTM D1238	200°C, 5kg load	g/10min	2.8
Mechanical Properties				
Izod Impact Strength	ASTMD256	23°C, 1/4” Notched	kg-cm/cm	1.8
Izod Impact Strength	ASTMD256	23°C, 1/8” Notched	kg-cm/cm	1.9
Tensile Strength at Yield	ASTMD638	23°C, 5 mm/min	kg/cm²	710
Tensile Strength at Break	ASTMD638	23°C, 5 mm/min	kg/cm²	700
Elongation at Break	ASTMD638	23°C, 5 mm/min	%	5
Flexural Yield	ASTMD790	23°C, 2.8 mm/min	kg/cm²	1100
Flexural Modulus	ASTMD790	23°C, 2.8 mm/min	kg/cm²	34000
Thermal Properties				
Heat Distortion Temperature	ASTMD648	unannealing 1.8MPa	°C	91
Vicat Softening Temperature	ASTMD1525	50°C/hr , 1 kg load	°C	104
Physical Properties				
Rockwell Hardness	ASTMD785	23°C, R-scale	R-scale	M-83
Mold Shrinkage	ASTMD955	60×60×2mm S _{Flow}	%	≤ 0.5
Moisture Absorption Equilibrium	ASTMD570	23°C/50% RH	wt %	≤ 0.3
Flammability				
	UL-94	1/16 inch	No E50263	HB

