台達化學工業股份有限公司 **Taita Chemical Company, Limited**

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Product information
Version：1.0

TAITALAC 1400

SAN Resin

Acrylonitrile Styrene (AS) Resin

Characteristics

- Injection molding
- Compounding

Applications

- Glass fiber compounding
- Alloy compounding

Properties	Test	Test Condition	SI unit	
			Unit	s.p.
Rheological Properties				
Specific Gravity	ISO 1183	23℃	g/cm^3	**1.03**
Melt Volume Rate	ISO 1133	220℃, 10kg load	cm^3/10min	**26**
Mechanical Properties				
Izod Impact Strength	ISO 180/1A	23℃, Notched	KJ/m^2	**1.8**
Charpy impact strength	ISO 179/1A	23℃, Notched	KJ/m^2	**2.8**
Tensile Strength at Yield	ISO 527	23℃, 50 mm/min	MPa	**74**
Tensile Strength at Break	ISO 527	23℃, 50 mm/min	MPa	**69**
Elongation at Break	ISO 527	23℃, 50 mm/min	%	**30**
Flexural Yield	ISO 178	23℃, 2.0 mm/min	MPa	**107**
Flexural Modulus	ISO 178	23℃, 2.0 mm/min	GPa	**2.9**
Thermal Properties				
Heat Distortion Temperature	ISO 75	unannealing 1.8MPa	℃	**91**
Vicat Softening Temperature	ISO 306	50°C/hr , 1 kg load	℃	**103**
Physical Properties				
Rockwell Hardness	ISO 2039-2	23℃, R-scale	R-scale	**M-83**
Mold Shrinkage	ISO 294-4	60×60×2mm S_{Flow}	%	≦ **0.4**
Moisture Absorption Equilibrium	ISO 62	23°C/50% RH	wt %	≦ **0.3**
Flammability				
	UL-94	1/16 inch	No E50263	**HB**

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.