

**TAITALAC 1400N001**

SAN Resin

Acrylonitrile Styrene (AS) Resin

Characteristics	Applications
• Injection molding • Compounding	• Glass fiber compounding • Alloy compounding • House-ware

Properties	Test	Test Condition	SI unit	
			Unit	s.p.
Rheological Properties				
Specific Gravity	ISO 1183	23°C	g/cm ³	1.03
Melt Volume Rate	ISO 1133	220°C, 10kg load	cm ³ /10min	26
Mechanical Properties				
Izod Impact Strength	ISO 180/1A	23°C, Notched	KJ/m ²	1.8
Charpy impact strength	ISO 179/1A	23°C, Notched	KJ/m ²	2.8
Tensile Strength at Yield	ISO 527	23°C, 50 mm/min	MPa	74
Tensile Strength at Break	ISO 527	23°C, 50 mm/min	MPa	69
Elongation at Break	ISO 527	23°C, 50 mm/min	%	30
Flexural Yield	ISO 178	23°C, 2.0 mm/min	MPa	107
Flexural Modulus	ISO 178	23°C, 2.0 mm/min	GPa	2.9
Thermal Properties				
Heat Distortion Temperature	ISO 75	unannealing 1.8MPa	°C	91
Vicat Softening Temperature	ISO 306	50°C/hr, 1 kg load	°C	103
Physical Properties				
Rockwell Hardness	ISO 2039-2	23°C, 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

