

## SPECIFICATION SHEET

### 8011 Aluminium Non Stick Foil

No	Alloy	Thickness	Width	Length
1	8011	9.0 -25.0 um	300/ 450 mm	Customized

### Chemical composition ( % ) Standard: GB/T 3190-2008

Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Al
0.50-0.9	0.6-1.0	0.10	0.20	0.05	0.05	-	0.10	0.08	Rest

### Mechanical Properties Standard: GB/T 3880.2-2006

Alloy	Temper	Thickness /mm	Greenhouse tensile test results		
			Tensile strength $R_m/(N/mm^2)$	Elongation/%, Not less than	
				$A_{50mm}$	$A_{100mm}$
8011	O	0.0060~0.0090	50~100	-	0.5
		> 0.0090~0.0250	55~100	-	1
		> 0.0250~0.0400	55~110	-	4
		> 0.0400~0.0900	60~120	-	4
		> 0.0900~0.1400	60~120	13	-
		> 0.1400~0.2000	60~120	15	-
	H22	0.0350~0.0400	90~150	-	1.0
		> 0.0400~0.0900	90~150	-	2.0
		0.0900~0.1400	90~150	5	-
		0.1400~0.2000	90~150	6	-
	H24	0.0350~0.0400	120~170	2	-
		> 0.0400~0.0900	120~170	3	-
		> 0.0900~0.1400	120~170	4	-
		> 0.1400~0.2000	120~170	5	-
	H26	0.0350~0.0900	140~190	1	-
		> 0.0900~0.2000	140~190	2	-
	H18	0.0350~0.2000	$\geq 160$	-	-
	H19	0.0350~0.2000	$\geq 170$	-	-

### Physical Properties Standard: GB/T 3880.2-2006

Property	Value	Unit
Density(20°C)	2.71	g/cm <sup>3</sup>
Melting Point	590-645	°C
Thermal Expansion	23.8	(10-6K-1)(20/100°C)
Specific heat capacity	900	J/(Kg.K)( 0/100°C)
Modulus of Elasticity	70	GPa
Thermal Conductivity	132	W/(m. K) 20°C
Resistivity	53	nΩ .m

Formability  
Very Good

Wettability  
Good

Machinability  
Very Good

Corrosion Resistance  
Very Good

## Applications

1. Cook: Line pans, foods slide off. No need to grease or spray pans, clean up easily.
2. Cover/Wrap: Cheese, Poultry Skin and Sauces stay on food and won't stick to cover.
3. Freeze: It provides great protection against Freezer burn, there's no sticking or prying frozen foods apart.
4. Cupcake Mold: It's used to mold as cupcake liners or baking aids.

## Products



## Packing

Shanghai Metal Products are packed and labeled according to the regulations and customer's requests. Great care is taken to avoid any damage which might be caused during storage or transportation. In addition, clear labels are tagged on the outside of the packages for easy identification of the product I. D. and quality information.

- 1) Shanghai Metal Standard
- 2) Customization

