



Technical Data Sheet

Alloy:8079

1. Application:

- Lamination: suitable for lamination with PET, BOPP, paper
- Flexible packaging: cigarette inner packaging, tube, power capacitor, insulation material

2. Chemical Composition

Table 1 Unit: %

Alloy	Temper	Si+Fe	Cu	Mn	Mg	Zn	Ti	Others		Al
								each	total	
8079	O	0.65	0.05	0.05	0.05	0.1	0.06	0.03	--	99.35

3. Surface Quality:

- Free of black spot, line mark, crease, wrinkles, etc....
- Rell: no air pocket, no bump, etc....

4. Mechanical property and Pinholes

Table2

Alloy	Temper	Thickness,m m	Tensile strength, Mpa	Elongation, %	Pinholes(per square meter)
8079	O	0.006	50-100	≥1.0	Max 1000
		0.0063	50-100	≥1.0	Max 800
		0.0065	50-100	≥1.0	Max 200
		0.008	50-100	≥1.0	Max 100
		0.009	60-100	≥1.5	Max 100

5. Free fall

Table 4

Alloy	Width,mm	At edge	Web length
8079	≤800	≤1.0	≤0.8
	> 800	≤1.0	≤0.6

6. Tolerance:

Width tolerance: $\pm 1.0\text{mm}$

Thickness tolerance:

Spot measurement tolerance	$\pm 6\%$
Average thickness tolerance(lot weight $\geq 3T$)	$\pm 5\%$
Average thickness tolerance(lot weight $\geq 10T$)	$\pm 4\%$

7. Wettability:

--Temper O: Grade A

8. Core ID&OD

Core ID	Reel OD	
	Min.	Max.
76mm	350mm	450mm
150mm/152mm/152.4	400mm	800mm

9. Splicing:

-10% of the coils are allowed to have Max. 3 joints and 90% have Max. 2 joints.

-Ultrasonically welded for entire width

10. Winding:

BSO(Bright side out) or MSO (Matte side out)