

Continuous Nickel foam

With the outstanding performance of high porosity, conductivity and uniform pore structure, Nickel foam has been widely used as electrode in NiMh and NiCd batteries. And it also can be used in consumer and traction rechargeable batteries. Nickel foam can offers a wide range of specification in a variety of densities,widths,thicknesses and pore sizes to meet our customers' needs.



Continuous Ni foam Standards

Item	Unit	Standard	Tolerance	
Thickness	mm	1.00mm—3.0mm	±0.05	
Width	mm	Adjustable according to needs	±0.5mm when less than 500mm	
			±1.0mm when over 500mm	
Pore size	PPI	90PPI—130PPI	±10	
Density	g/m ²	250g/m ² —500g/m ²	±30	
Tensile Strength	N/20mm	Nominal Value		
		280g/m ²		
		320g/m ²		
		350g/m ²		
		380g/m ²		
		420g/m ²		
		500g/m ²		
Electrical Resistivity	mΩ/100×10m ²	Nominal Value	Longitudinal	Transverse
		280g/m ²	ZZ≤75	HZ≤90
		320g/m ²	ZZ≤65	HZ≤85
		350g/m ²	ZZ≤60	HZ≤80
		355g/m ²	ZZ≤60	HZ≤80
		380g/m ²	ZZ≤55	HZ≤75
		420g/m ²	ZZ≤45	HZ≤70
500g/m ²	ZZ≤40	HZ≤65		

Item	Unit	Nominal Value
Flexibility	Times	ZR≥5,HR≥15
Elongation	%	ZY≥5,HY≥10
Length Tolerance	%	0.5
Joints	Pieces	4 pcs Per 200m
Connection Distance	M	≥10m
Porosity	%	≥95
Impurity Content	Ni	Balance
	C	≤0.03
	Fe	≤0.01
	Cu	≤0.005
	S	≤0.008
	Si	≤0.005
	P	≤0.010
	Pb	≤0.10
	Cr	≤0.10
	Cd	≤0.10
	Hg	≤0.10

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