

FluxBatteryHub

Technical Data Sheet

Nickel Foam Electrode Substrate

Document ID: TDS-LA020 | Document type: Product Technical Datasheet

1. Product Identification

Field	Information
Product name	Nickel Foam Electrode Substrate
SKU / product family	LA020 series
Product category	Porous metal substrate
Material / chemistry	Nickel
CAS number	Not specified
Document type	Product Technical Datasheet

2. Product Description

Nickel Foam Electrode Substrate is a porous metal substrate for battery and electrochemical research. It is intended for laboratory-scale evaluation, component selection, sample preparation, or cell assembly consistent with the product category. The listed material or chemistry is Nickel. Refer to the Technical Data and Available Configurations sections for verified reference values and SKU formats. Confirm compatibility with the intended electrolyte, process conditions, and cell design before purchase or validation.

3. Technical Data

Technical values are provided for product selection reference and may vary by batch.

Parameter	Specification
Material	Nickel Foam
Nickel Purity	$\geq 99.7\%$
Porosity	95–97%
Pore Density	95–110 PPI
Thickness Options	0.3 / 0.5 / 1 / 1.5 / 2 / 2.5 mm
Surface Density	350 g/m ²

4. Available Configurations

SKU	Configuration / Pack Format
LA020-1	0.2 mm / 200 mm × 300 mm / 4 pcs
LA020-1	0.3 mm / 200 mm × 300 mm / 4 pcs
LA020-1	0.5 mm / 200 mm × 300 mm / 4 pcs
LA020-1	1 mm / 200 mm × 300 mm / 4 pcs
LA020-2	0.2 mm / 200 mm × 300 mm / 9 pcs
LA020-2	0.3 mm / 200 mm × 300 mm / 9 pcs
LA020-2	0.5 mm / 200 mm × 300 mm / 9 pcs
LA020-2	1 mm / 200 mm × 300 mm / 9 pcs
LA020-3	0.2 mm / 200 mm × 300 mm / 17 pcs
LA020-3	0.3 mm / 200 mm × 300 mm / 17 pcs
LA020-3	0.5 mm / 200 mm × 300 mm / 17 pcs
LA020-3	1 mm / 200 mm × 300 mm / 17 pcs

5. Intended Applications

- Electrochemical measurement and materials evaluation
- Battery, corrosion, fuel cell, or analytical research where compatible
- Working, counter, or reference electrode use according to test method
- Laboratory-scale electrochemical testing

6. Storage and Handling

Store in a clean, dry environment at room temperature unless otherwise specified by supplier documentation. Keep away from moisture, contamination, direct sunlight, and incompatible chemicals.

7. Safety and Regulatory Information

This TDS is not a Safety Data Sheet. For SDS, hazard classification, exposure controls, transport, storage, handling, and disposal information, please contact FluxBatteryHub for available supplier documentation.

8. Notes and Disclaimer

Technical values are provided for product selection and research reference only. Typical, nominal, or reference values are not release specifications and are not current-batch COA results. Final specifications may vary by batch and should be confirmed with FluxBatteryHub before purchase, process validation, or regulated use.