

NANOMYTE® BE-70E (Sublimed Sulfur)

Active Material Characteristics

Product IDs: BE-70E (single-sided) | BE-70E-DS (double-sided)
Product Description: Sublimed Sulfur electrode sheet
Formula: S

Electrode Tape Characteristics

Current Collector: Carbon-coated Aluminum
Current Collector Thickness: 16 µm
Sheet Size: 5 in x 10 in (127 mm x 254 mm)
Coating: Single or Double-sided sheets (as specified)
Areal Capacity: 3.0 mAh/cm² ± 5% (per side)
Active Material Loading: 3.75 mg/cm² ± 5% (per side)
Tape Thickness: 40 µm ± 5% (excluding current collector)

Standard Tape Composition:	%	Material	Description
	70%	Sublimed Sulfur ["S"]	(active material)
	10%	CMC-SBR	(water-based binder)
	20%	Carbon Black	(conductive carbon)

*Specifications can be modified upon request to accommodate different active material loadings, coating thickness, & capacity

Electrical Characteristics

Nominal Voltage vs. Li/Li⁺: ~2.1V
Minimum First Discharge Capacity: 700 mAh/g
Experimental First Discharge Capacity: ≥ 800 mAh/g (1.9 – 2.7V @ 0.1C)

Available Quantities

NEI's standard electrode sheets are available in packages of 2, 5, & 10 sheets. Bulk quantities are also available.

Precautions for Safe Storage & Handling

Personal protective equipment should be used at all times. Avoid contact with eyes and skin. Ensure adequate ventilation and avoid inhalation of dusts. Wash hands thoroughly after handling. Store in a dry and sealed pouch or under inert atmosphere, away from heat. Avoid moisture. [Refer to SDS for complete safety information of this material.](#)

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