



Heat shrink film 70 mm

User manual

Transparent heat shrink film for batteries



Read the entire manual before use. Working with batteries and hot air poses a risk of fire and burns.

www.rotorاما.com

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1. Product description

1.1 Purpose

This transparent heat shrink film is used to provide additional protection for batteries or to replace the original film once it has been damaged. After being slid onto the battery and heated, the film shrinks and wraps tightly around the battery body.

The size is suitable for batteries from **850 mAh 3S to 1300 mAh 4S** and some smaller 1500 mAh 4S batteries. Thanks to its transparency, the battery label and the condition of the battery remain visible.



Heat shrink film (illustrative photo)

1.2 Specifications and package contents

Product designation	Smršťovací fólie 70mm (heat shrink film 70 mm)
Type	transparent, heat shrinkable
Film width	70 mm
Suitable for batteries	850 mAh 3S to 1300 mAh 4S, some smaller 1500 mAh 4S
Package contents	1 m of film
Not included	battery, heat gun, scissors or any other tools

2. Use

2.1 Safety

- Fit new film **only to an undamaged battery**. Do not use a battery that is swollen, dented, has a cracked cell wrapper or damaged leads; hand it over for disposal (Chapter 3.2).
- Carry out the work with the battery discharged to the **storage voltage of 3.8 V/cell** (3S = 11.4 V, 4S = 15.2 V), never with a fully charged battery. Do not charge the battery or connect it to a model while working.
- Shrink the film with a **heat gun**, never with an open flame (lighter, torch). Do not heat the battery more than is strictly necessary.
- Work on a non-flammable surface away from flammable objects and keep a means of extinguishing a fire within reach. If the battery starts to swell, smoke or smell, stop work immediately and move it to a safe place.
- Do not use sharp tools directly next to the cells when removing the old film. Cutting through a cell wrapper or the lead insulation can cause a short circuit.
- Hot air and heated film can cause burns. Allow the film to cool down before handling.

✱ **New film will not repair damaged cells. Always check a battery that has suffered an impact or crash according to the first bullet point of this chapter first.**

2.2 Replacing the film

- ① Check the battery according to Chapter 2.1. Do not wrap a damaged battery.
- ② Carefully remove the old film. Work slowly and take care not to damage the cell wrapper, the power lead or the balance lead.
- ③ Cut a piece of film so that it overlaps the battery at both ends.
- ④ Slide the film onto the battery. Leave the power lead and balance lead routed out of the film and make sure they are not kinked under the film.
- ⑤ Set the heat gun to low output. Heat the film from the centre towards the edges and keep the gun moving. Do not direct hot air at the leads or connectors.
- ⑥ As soon as the film fits tightly around the battery, stop heating and let it cool down. Check that the film has not split and that the leads are undamaged. Only then charge or use the battery.

3. Information for the EU and Czech Market

3.1 Importer and responsible person in the EU

The product is placed on the European Union market by the importer stated below, who is at the same time the responsible person within the meaning of Article 16 of Regulation (EU) 2023/988 of the European Parliament and of the Council on general product safety (GPSR).

Importer / responsible person in the EU	Rotorama, s.r.o.
Company ID (IČO)	051 57 692
VAT ID (DIČ)	CZ05157692
Registered office	Okrajová 1351, 674 01 Třebíč, Czech Republic
E-mail	info@rotorاما.cz
Phone	+420 252 252 098
Website	www.rotorاما.com

3.2 Disposal

- The film contains no electronics or batteries and is not electrical equipment. Dispose of film offcuts and packaging in accordance with the waste sorting rules applicable where you are.
- Dispose of old film removed from a battery in the same way.
- A damaged or discarded battery must not be disposed of in mixed waste. Hand it over at a take-back point for batteries and accumulators, for example at a collection yard or at a retailer. A list of take-back points can be found at www.ecobat.cz.

4. Warranty and rights arising from defective performance

The rights and obligations of the contracting parties are governed by Czech law, in particular by Act No. 89/2012 Coll., the Civil Code, and Act No. 634/1992 Coll., on consumer protection.

- The seller is liable to the buyer for the product being free of defects on receipt. If the buyer is a consumer, a defect may be notified **within two years of receipt** of the product (Section 2165 of the Civil Code).
- If a defect appears within **one year** of receipt, the product is deemed to have been defective already at the time of receipt (Section 2161(5) of the Civil Code).
- When purchasing online, a consumer has the right to **withdraw from the contract within 14 days** of receiving the goods without giving a reason (Section 1829 of the Civil Code).
- Claims should be made with the retailer from whom you purchased the product. The importer's contact details are given in Chapter 3.1.
- The competent body for out-of-court settlement of consumer disputes is the **Czech Trade Inspection Authority**, Štěpánská 796/44, 110 00 Prague 1, www.coi.cz.