

Technical Data Sheet (TDS) – RUIHUN Car Fire Blanket

Product Description

The RUIHUN Car Fire Blanket is a high-performance fire suppression and protection blanket designed for rapid response to vehicle fires. By fully covering the burning vehicle, the blanket isolates oxygen and suppresses flames efficiently, helping to control fire spread and reduce damage.

Manufactured using silicone-coated fiberglass fabric or silicone-coated high silica fiberglass fabric, this fire blanket offers excellent heat resistance, durability, and ease of handling. It is suitable for conventional vehicles as well as electric vehicle (EV) battery fire incidents.

Typical Applications

- Passenger vehicle and commercial vehicle fire suppression
- Electric vehicle (EV) battery thermal runaway incidents
- Roadside emergency and rescue operations
- Fire brigades and rescue teams
- Parking garages, tunnels, and maintenance workshops
- Fleet safety and fire prevention equipment

Material Options

Material Type	Description
Silicone-Coated Fiberglass Fabric	E-glass fiberglass base fabric with silicone coating
Silicone-Coated High Silica Fiberglass Fabric	High silica fabric ($\geq 96\%$ SiO ₂) with silicone coating

Technical Specifications

Parameter	Silicone-Coated Fiberglass	Silicone-Coated High Silica Fiberglass
Base Material	E-glass fiberglass	High silica fiberglass ($\geq 96\%$ SiO ₂)
Coating	Silicone rubber	Silicone rubber
Standard Size	6 m × 8 m	6 m × 8 m
Custom Size	Available	Available
Weight	Customizable	Customizable
Continuous Working Temperature	Approx. 550 °C	Approx. 1000 °C
Edge Treatment	Reinforced edges with handles & lifting loops	Reinforced edges with handles & lifting loops
Certifications	ISO 9001 / CE / EN 13501 / SGS (or equivalent)	ISO 9001 / CE / EN 13501 / SGS (or equivalent)

Note: Size, weight, and specifications can be customized upon request.

Performance Characteristics

Property	Description
Fire Suppression Method	Smothers flames by cutting off oxygen
Heat Resistance	Excellent resistance to high temperatures
Mechanical Strength	High tear resistance and durability
Chemical Stability	Silicone coating enhances resistance to chemicals and weathering
Handling	Flexible, easy to deploy, and safe to operate
Reusability	Reusable if no structural damage after use

Packaging & Delivery

- Individual heat-resistant storage bag
- Optional vacuum-sealed PE or aluminum foil packaging
- Export-grade carton packaging
- OEM branding and labeling available
- Lead time: 7–15 days (depending on order quantity and customization)
- Sample lead time: 3–5 days

Storage & Maintenance

- Store in a dry, well-ventilated area
- Inspect regularly for damage
- Allow to cool completely after use
- Clean and fold properly after use
- Do not reuse if severe damage is observed

Manufacturer

RUISHUN Advanced Materials

Professional manufacturer of fiberglass fabrics, high silica fabrics, and fire-resistant solutions.

Contact

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