

Technical Data Sheet (TDS) – RUIHUN Fiberglass Fire Blanket

Product Description

The RUIHUN Fiberglass Fire Blanket is a durable, high-temperature resistant protective blanket designed to provide reliable flame and heat protection in industrial hot-work environments. Manufactured from premium fiberglass fabric with optional coatings, it effectively shields against sparks, molten metal splash, radiant heat, and other fire hazards commonly encountered during welding, cutting, grinding, and fabrication processes.

Typical Applications

- Welding, cutting, and grinding protection
- Industrial hot-work safety shielding
- Machinery and equipment protection
- Wall, floor, and surface heat barriers
- Construction, automotive repair, shipbuilding, and maintenance industries
- Safety curtains and fire prevention systems

Materials & Construction

Base Material:

- 100% E-glass fiberglass fabric (industrial grade)

Optional Coatings:

- Silicone coating: improved heat, spark, and water resistance
- PU (Polyurethane) coating: enhanced mechanical strength
- Acrylic coating: economical protective solution
- Vermiculite coating: superior resistance to sparks and molten metal

Finishing Options:

- Reinforced stitched or folded edges
- Optional metal grommets
- Custom size, color, and packaging available

Technical Specifications

Parameter	Specification
Material	High-quality 100% fiberglass fabric
Coatings	Silicone, PU, Acrylic, Vermiculite (optional)
Weight	430–1000 g/m ² (customizable)
Standard Sizes	1×1 m, 1.2×1.2 m, 1.2×1.8 m, 1.8×1.8 m (custom options)
Thickness	0.45 mm, 0.7 mm, 1.0 mm (customizable)
Color	White (custom colors available)

Parameter	Specification
Temperature Resistance	Up to approximately 550 °C (higher for some coated types)
Weave	Plain weave / Twill weave
Edge Finish	Reinforced stitching with fire-resistant thread
Packaging	PVC soft pouch / rigid box / custom packaging
Certificates	ISO9000, CE, EN13501, SGS (as applicable)

Key Features & Benefits

- Excellent heat and flame resistance
- Flexible, lightweight, and easy to handle
- Durable woven structure suitable for repeated use
- Multiple coating options for different applications
- Customizable dimensions and performance
- Cost-effective industrial fire protection solution

Packaging & Delivery

- PVC soft pouch or rigid box packaging
- Carton or pallet packaging for bulk orders
- OEM branding and private labeling available
- Lead time: 7-15 days depending on order quantity
- Samples available upon request

Usage & Maintenance

- Place the blanket between the heat source and the protected area
- Ensure full coverage for maximum protection
- Inspect regularly for damage or wear
- Store in a dry and clean environment
- Do not reuse if significant damage is detected

Manufacturer

RUISHUN Advanced Materials

Professional manufacturer of fiberglass fabrics and industrial fire-resistant materials.

Contact

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