

Certainly! Here’s the table you provided, formatted in English with clear technical specifications:

Silica Casting Shield – Technical Specifications

Property	**Specification**	
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Product Type	Silica Casting Shield	
IR Radiation Protection	IR 3 Shielded	
Heat Resistance	Yes (Up to 280°C)	
Optical Clarity	High transparency, wave-free	
Origin	Taiwan	
Thickness	3 mm	
Max Thermal Resistance	280°C (536°F)	
Impact Resistance	12 kJ (Tested)	
Safety Standard	EN357 P1A (Face Protection)	
Color	Green (IR Filtering)	

Key Features Explained:

- **IR 3 Shielded**: Blocks medium to high-intensity infrared radiation.
- **Heat Resistance**: Withstands temperatures up to **280°C** (short-term exposure).
- **Impact Resistance**: Protects against molten metal splashes (12 kJ rating).
- **EN357 P1A**: Complies with EU standards for thermal face shields.
- **Green Tint**: Enhances visibility while filtering harmful IR/glare.

Common Applications:

- Foundries (aluminum, steel, etc.)
- Glassblowing & metal casting
- High-heat industrial environments

Let me know if you need any modifications or additional details!

Silica Casting Shield – Safety, Usage & Maintenance Guidelines

Product Overview

The Silica Casting Shield is a high-performance facial protection panel designed for industrial environments exposed to intense infrared (IR) radiation and elevated heat levels. It offers IR 5-level radiation protection, thermal resistance up to 280°C, impact resistance up to 12 kJ, and wave-free optical clarity, ensuring both visual accuracy and physical protection.

Proper Usage Instructions

Before Use:

Inspect for any damage (cracks, scratches, or warping).

Clean using only a soft microfiber cloth.

Mount the shield using metal spring clips securely fixed to a certified safety helmet.

Ensure full face coverage and stable positioning.

During Use:

Only use in environments where heat does not exceed 280°C.

Maintain a safe distance from direct heat or flame.

Shield offers IR 5 protection against radiant energy.

Visual clarity allows distortion-free operation.

Do Not:

Do not expose directly to open flames.

Do not drill, cut, or reshape.

Do not clean with alcohol, acetone, or solvents.

Do not use the shield without helmet-mounted support and metal fasteners.

Maintenance & Cleaning Guidelines

Cleaning:

Use a dry or lightly damp microfiber cloth.

Avoid abrasive wipes, pressurized air, or harsh chemicals.

Use only water or a neutral pH detergent.

Storage:

Store in cool, dry conditions (10°C–35°C, <60% humidity).

Keep in a protective case or original packaging.

Avoid direct sunlight, UV exposure, or physical stacking.

Inspection & Replacement:

Monthly visual checks recommended.

Replace if there's any sign of yellowing, fogging, cracking, or deformation.

Follow manufacturer's guidelines on usage lifespan.

Chemical Resistance

The shield is resistant to most industrial chemicals. It can withstand light exposure to acids and solvents but:

Do not immerse in strong chemicals.

Avoid prolonged contact with corrosive agents.

Confirm compatibility with site-specific substances.

Warnings & Limitations

Meets EN357 P1A safety standards.

Withstands impact energy up to 12 kJ.

Not suitable for:

Laser or UV light exposure

Arc flash or welding (unless specially certified)

Always use with metal spring attachments + helmet.

Handheld use is strictly prohibited.

Technical Specifications

Property Specification

Product Type Silica Casting Shield
IR Radiation Protection IR 5 Shielded
Heat Resistance Yes (Up to 280°C)
High Transparency Wave-free clarity
Origin Taiwan
Thickness 3 mm
Impact Resistance 12 kJ
Safety Standard P1A EN357
Chemical Resistance Yes
Cleaning Recommendation Microfiber cloth only
Mounting Method Metal springs + safety helmet
Color Green

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(01)09412345678905(10)SHIELD-IR3(12)280C(30)3MM(37)12kJ

