

MOLTEN METAL PROTECTION COLLECTION

Molten Metal Protection is a highly engineered fiber blend with a super-soft, lightweight feel and flexibility. It is designed to deliver premium protection against molten metal splash, radiant heat, flame and other smelting hazards. Molten Metal Protection even sheds cryolite. No other product on the market can match it. On-the-job comfort and durability make Molten Metal Protection an outstanding value and the best choice among thermal-resistant and metal-shedding fabrics.



MOLTEN METAL PROTECTION FABRIC FEATURES

SUPERIOR BLEND FOR MAXIMUM DELIVERY

A superior blend of fibers, including FR Rayon for enhanced comfort and nylon for added durability, give Molten Metal Protection its superior status, inherent flame resistance and premium thermal and metal-splash protection that hazardous work requires. Molten Metal Protection is simply the best feeling, best wearing molten metal protective fabric money can buy.

SUPERIOR COMFORT

Because of the unique combination of fibers, garments made from Molten Metal Protection:

- are softer, lighter and less bulky than other competitive fabrics
- are more breathable, allowing for good air circulation without compromising performance benefits
- feel better and move easier, all day long, no matter how hot the job

APPEARANCE AND VALUE

Molten Metal Protection fabrics combine superior lightfastness, colorfastness and resistance to pilling, ensuring a soft hand, good looks and rugged performance throughout the life of the garment.

BUILT-IN PROTECTION

Molten Metal Protection has superior metal-shedding capabilities and, when properly maintained, will not contribute to burn injuries. Because the protection is engineered into the fabric, the manufacture of Molten Metal Protection requires no chemical treatments – it withstands repeated washings and wearings and delivers molten metal splash resistance that never washes out.

SHEDS CRYOLITE

Providing protection from both red and white molten splash, Molten Metal Protection garments also provide protection from cryolite, a catalyst used in aluminum smelters and pot rooms.

APPLICATIONS

Flame and molten metal resistant workwear for a range of exposure intensities. Fabric options include:

- 7.5 oz. twill for shirts
- 10 oz. twill for pants

MOLTEN METAL WORK SHIRT



MOLTEN METAL WORK SHIRT



Two-piece, lined collar > Two chest pockets with button flap closures and sewn-in pencil stall > One-piece, lined cuff with button closure > Special gored sleeve > Hemmed front with button closure > Special application only, combine with work pant PAW2NV > Made with Oasis™ fabric

FABRIC > Flame-resistant, 7.5 oz. Twill, 50% FR Rayon/ 40% Wool/10% Nylon

PROTECTION > Arc Rating ATPV 6.2 calories/cm²

MEN'S	COLOR	SIZE (reg)	SIZE (long)
SAW2CH	Chambray	S-2XL	M-2XL



MOLTEN METAL WORK PANT

Folder set waistband with button closure › Heavy duty brass zipper › Two set-in front pockets › Two hip pockets with flaps › Special application only, combine with work shirt SAW2CH › Made with Oasis™ fabric

FABRIC › Flame-resistant, 10 oz. Twill, 50% FR Rayon/
40% Wool/10% Nylon

PROTECTION › Arc Rating ATPV 7.2 calories/cm²

MEN'S	COLOR	SIZE
PAW2NV	Navy	28-44

MOLTEN METAL WORK PANT

MOLTEN METAL PROTECTION

PHYSICAL PROPERTIES

Weight (+ or -5%) and Weave		7.5 oz. (sq. yd.) Twill	10 oz. (sq. yd.) Twill
Color Availability		Chambray	Navy
Vertical Flammability After Flame** (sec. w x f) Char Length (in. w x f)	ASTM D 6413	0.0 x 0.0 4.3 x 4.3	0.0 x 0.0 4.1 x 3.8
Tensile Strength (lbs. w x f)	ASTM D 5034	100 x 75	150 x 110
Elmendorf Tear Strength (lbs. w x f)	ASTM D 1424	7.5 x 7.5	8.5 x 8.5
Molten Metal Splash Resistance Molten Al Splash Molten Fe Splash	EN 373	Level D1 Level E2	Level D2 Level E3
Dimensional Stability (%) After 5 Launderings 120°F Permanent Press Cycle Tumble Dry, Low	AATCC 135	< 5.0	< 5.0
Pilling Resistance* 30 minutes 60 minutes 90 minutes 120 minutes	ASTM D 3512	5 4-5 4 4	5 5 4 4
Croaking* Wet Dry	AATCC 8	4 5	4-5 5
Colorfastness to Xenon Light (20 hours)*	AATCC 16	4-5	4-5

* Ratings: 5 – Best, 3 – Acceptable, 1 – Poor

**ASTM F1002 “Standard Performance Specification for Protective Clothing for Use by Workers Exposed to Specific Molten Substances and Related Thermal Hazards” Specifies a Maximum of 5 Seconds After Flame.



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