

MOLTEN AND HEAT PROTECTIVE PYRAD® SUIT

BY GORE-TEX LABS

THE LIGHTEST WEIGHT AND MOST
BREATHABLE SUIT PROTECTING
AGAINST MOLTEN MATERIALS,
LIQUIDS, FLAMES AND
RADIANT HEAT.

BY
GORE-TEX
LABS

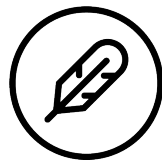
PYRAD®
PRODUCTS



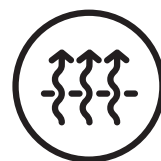
PROTECTION
AGAINST MOLTEN
AND HOT LIQUID
SPLASHES



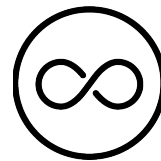
INHERENT FLAME
RESISTANCE AND
RADIANT HEAT
PROTECTION



LIGHTWEIGHT



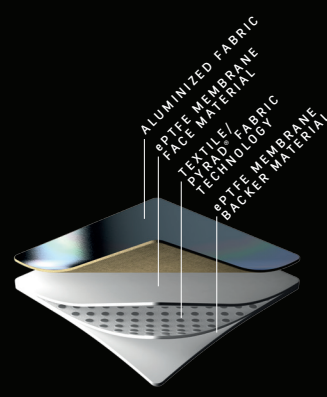
VERY
BREATHABLE



FREEDOM OF
MOVEMENT

THE SCIENCE BEHIND THE TECHNOLOGY

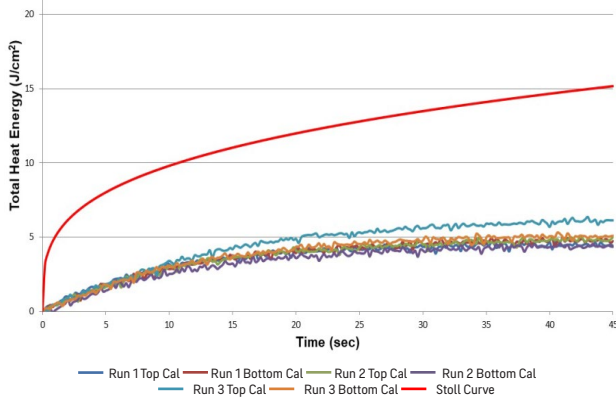
A 3-layer ePTFE laminate with a membrane face material, utilizing PYRAD® fabric technology in a single ply combined with an aluminized face fabric, provides inherent protection against quick shedding of molten materials, hot liquids, and high radiant heat. It also offers thermal stability, preventing flame propagation, and thermal insulation, reducing the risk of burn injuries to the skin.



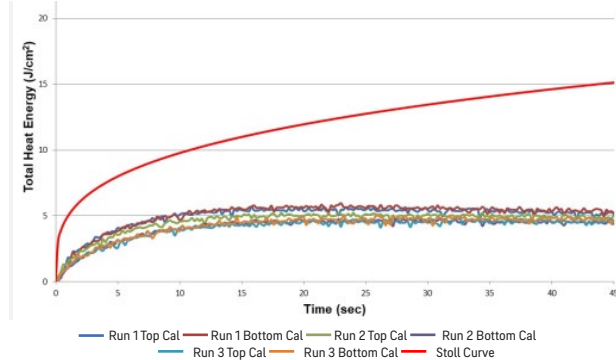
PRODUCT BENEFITS:

Reduces potential burn injuries from molten and hot liquid splashes.

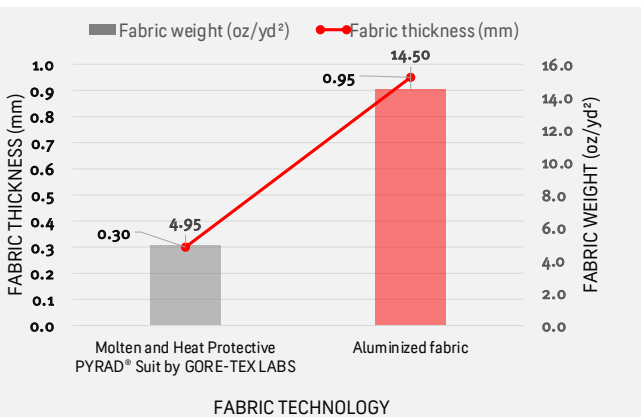
Total Heat Energy Through Molten and Heat Protective PYRAD® Suit By GORE-TEX LABS with Cotton Shirt Backing Material After Impact with 0.1 kg 900°F Ash Groove Fly Ash (ASTM F955).



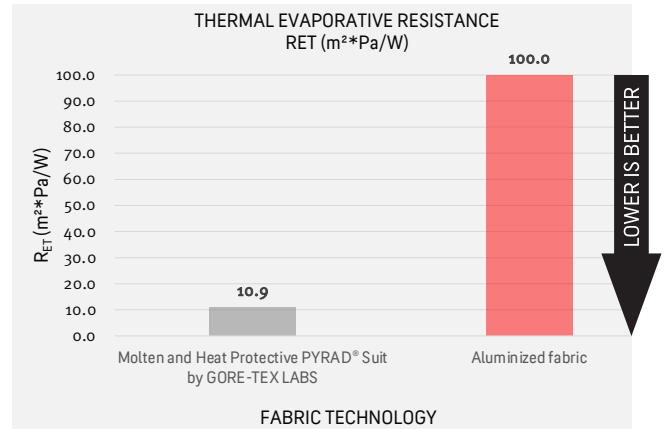
Total Heat Energy Through Molten and Heat Protective PYRAD® Suit By GORE-TEX LABS with Cotton Shirt Backing Material After Impact with 1.0 kg 1400°F Molten Aluminum (ASTM F955).



Up to 55% lighter and 60% thinner than competitive products which provides superior flexibility and reduced bulkiness, enabling workers to move freely and easy don and doff of the garments.



Very breathable, reduces the potential of heat stress during working activities.



Ideal for:

Workers in molten manufacturing and cement industries facing risks from hot molten splashes and radiant heat, which can cause severe skin burns and heat stress. Unlike competitive products, the material significantly improves comfort due to its lightweight, reduced bulk, and high breathability. The garments provide more freedom of movement and minimize heat buildup during activities in hot temperature environments.

SAFETY STANDARDS

- ASTM F955: heat transfer through materials for protective clothing upon contact with molten substances
- ASTM F1930: flame resistant clothing for protection against fire simulations
- ASTM D6413: flame resistance of textiles
- EN ISO 11612 – A1, A2, B1, C1, D3, E3, F1: clothing to protect against heat and flame
- EN ISO 6942: radiant heat protection
- C1 (Molten protective PYRAD® by GORE TEX LABS FABRIC)
- C4 (Molten protective PYRAD® by GORE TEX LABS FABRIC) with Aluminized Face fabric
- ASTM F1868 / ISO 11092: evaporative resistant (Ret) – breathability

OTHER FEATURES:

- OEKO-TEX® STANDARD 100 Supplement for "PPE and PPE material"- Annex 4 product class II Certified.
- CALIFORNIA PROP 65 Compliant



CALIFORNIA PROP 65 COMPLIANT

WARNING: No products, including garments, footwear, and gloves, protect completely, even when new; their protective performance will decline with wear, tear, abrasion, and other damage associated with use.

