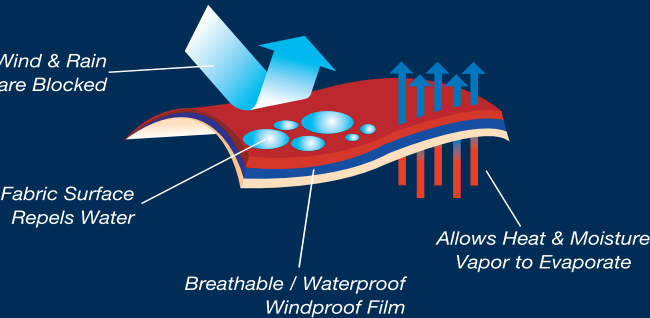


Features & Benefits

- Electric Arc Resistance
  - Does Not Melt, Drip, Ignite, or Break Open
  - Minimizes Heat Transfer Burns
- Flash Fire Resistant
  - Does Not Melt, Drip, Ignite, or Break Open
  - Minimizes Heat Transfer Burns
- Chemical Splash Resistant
- Waterproof
- Breathable
- Reduces Worker Heat Stress
- Lightweight
- Wind-Proof
- Designed With Premier Features
- Multi-year Life Cycle

Recommended Applications

- Electric Utility Transmission & Distribution
- Gas Utility Transmission & Distribution
- Electrical Maintenance
- Meter Service
- Chemical Handling
- Electrical Switching
- Telecommunication Workers
- CATV Workers

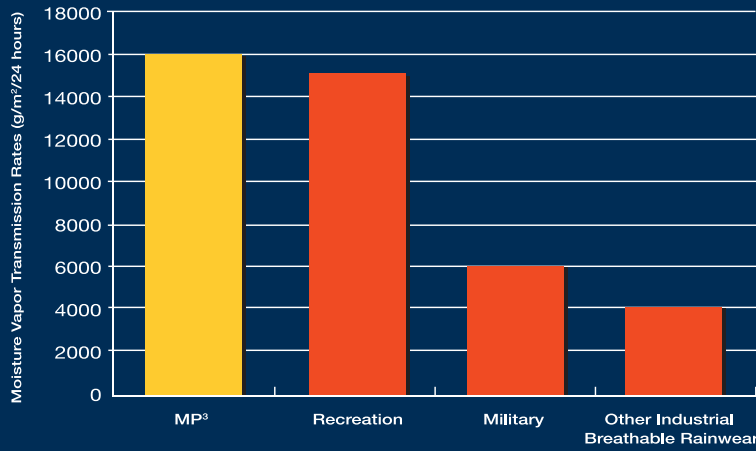


Breathability

Breathable Raingear vs. Non-Breathable Raingear

- Non-breathable raingear is designed to keep water out but also keeps perspiration in. It creates an internal environment that stores heat which leads to workers becoming wet from perspiration even though no rain passed through.
- Breathable raingear is designed to collect and transmit perspiration out of the garment. This leaves the worker dry from both the transmitted perspiration and the rain.
- Breathability is measured in 2 ways:
  - Moisture Vapor Transmission Rate (MVTR) - The amount of vapor that evaporates through the material per ASTM E96.
  - Total Heat Loss (THL) - The ability of a material to release heat as it is built up per ASTM F1868.
- For a material to be considered breathable, it must have a:
  - Moisture Vapor Transmission Rate (MVTR) of greater than 5000 g/m²/24 hours.
  - Total Heat Loss (THL) of 300 watts/m²/24 hours

Breathable Values by Industry



Specific Material Data

Fabric	Nomex® IIIA outer shell; Nomex® knit inside
Moisture Barrier	PTFE
Finished Weight	7.5 oz/yd2
Seam Construction	2 needle stitched and sealed with Nomex® tape
Color(s)	Yellow (Y), Red (R), Navy (N)
Reflective Trim	3M™ Reflective material
Flash Fire Data ASTM F1930	3.28% Body burn 3 second test exposure with 2 cal/cm² / second heat flux
Electrical Arc Data ASTM F1891	Yellow: Arc (ATPV) 9.3 cal/cm²; HAF 75.7%; Breakopen >24 cal/cm² Navy: Arc (ATPV) 9.7 cal/cm²; HAF 76.8%; Breakopen >27 cal/cm² Red: Arc (ATPV) 7.6 cal/cm²; HAF 63.8%; Breakopen >21 cal/cm²
NFPA 70E	Yellow – HRC 2; Navy – HRC 2; Red – HRC 1
Breathable Data ASTM E96 ASTM F1868	MVTR = 10,000 g/m²/24hr, modified desiccant method; THL = 579 w/m²

Stock Item Information

NASCO has the ability to create high quality corporate images using ink silk-screening, single and multi-color heat transfers and reflective logos using 3M Scotchlite™ technologies.

- 3503J** Waist length jacket, hood-in-collar, non conductive zipper front with Velcro® storm fly front, two patch pockets with Velcro® closures and hand warmer pockets, elastic sleeve cuffs with Velcro® tab type wrist adjusters, elastic waist, 3M Scotchlite™ reflective trim around waist and sleeve cuffs. Available with winter lining zipper option.
- 3501T** Bib style trouser with non conductive zipper front with Velcro® storm fly front, quick release suspender system, reinforced knees, non conductive leg zippers with Velcro® storm fly.
- 3501P** Elastic waist style trouser with reinforced knees, non conductive leg zippers with Velcro® storm fly.
- 3000CV** Coverall with non conductive zipper front and Velcro® closure fly front, badge tab, Velcro® tab type wrist adjusters.
- FLC3000B** Nomex® winter fleece, waist length jacket with zipper front, leaf style collar, elastic wrists, elastic waist, hand warmer pockets, zip-in / zip-out option for 3503J.

A complete size chart is available at [www.nascoinc.com](http://www.nascoinc.com)

All NASCO raingear patterns are digitally mastered and cut ensuring that you get the right size garment every time.

**NASCO**

Protective Outerwear Solutions

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BRO3000-6/05

3M Scotchlite®  
Reflective Material

NOMEX®  
only by DuPont

Distributed by:



# MP3 3000 Series

A Breathable Worksuit Made in USA

MP<sup>3</sup> is waterproof, windproof and breathable protection against electric arc, flash fire and heat stress hazards. MP<sup>3</sup> is the lightest weight, most versatile protective Nomex<sup>®</sup> outerwear system available today. With innovation, versatility and value, you no longer have to choose between comfort and safety. MP<sup>3</sup> is your protective outerwear solution.

## Innovation

MP<sup>3</sup> means Multi-Performance Trilaminate. It is a breathable Nomex<sup>®</sup> outerwear system designed to excel in all weather conditions. MP<sup>3</sup> offers protection from exposure to electric arcs and flash fires as well as reducing worker heat stress.

## Versatility

Its versatility makes it perfect for many applications. With an available Nomex<sup>®</sup> fleece lining, extended life cycle and retail appearance, MP<sup>3</sup> is more than just raingear. MP<sup>3</sup> has been proven successful in replacing other items provided to workers. Among them are windbreakers, FR hooded zipper sweatshirts, corporate image apparel, FR winter wear, FR fleece and traditional rainwear.

## Value

MP<sup>3</sup> offers a value proposition not available with traditional rainwear products. Its versatility and extended life cycle combined with a 3 year warranty create a value savings of 15% – 35% compared to common rainwear products used today.

Full length zipper for maximum warmth.



Angled pockets for easy access.

Available in:

● Yellow

● Red

○ Navy



Three-way Pockets:  
Cargo with Velcro<sup>®</sup>,  
hand warmer and  
trouser access.



Comfort Wristband:  
Elastic with adjustable  
Velcro<sup>®</sup> closure.



Xtra Protection:  
Hidden jacket zipper  
with Velcro<sup>®</sup> tabs.



Easy Access: Hidden  
zipper with Velcro<sup>®</sup> tabs  
on pant legs adjust for  
comfort and protection  
over workers' boots.



**Electric Arc Rated**  
per ASTM F1891 & NFPA 70E



Arc rating indicates the ability to protect from an electric arc hazard and measures the amount of energy need to create a 50% probability of a 2nd degree burn injury.



**Comfort Rated**  
per ASTM E96 and F1868

Comfort rating indicates the ability to limit the build up of heat inside a garment, increasing comfort and keeping the worker dry from perspiration.



**Flash Fire Rated**  
per ASTM F1930



Flash fire rating indicates the ability to protect from a flash fire and measures the percentage of a worker's body that would receive a 2nd degree burn injury.



### NASCO MP3 Warranty

For a period of 3 years from the date of manufacture, NASCO will repair, recondition and service any MP3 garment. This includes but is not limited to...repair of rips, tears, and holes; and reconditioning of garment features.