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The miracles of science™



Multi Climate Protection System

DESIGNED TO PERFORM IN SOME OF THE TOUGHEST ENVIRONMENTS ON EARTH

With the new Multi Climate Protection System, which includes DuPont™ NOMEX® brand fiber, naval aviators and aircrew personnel can get comfort and protection, whatever the weather.



The miracles of science™



100% 95% 90% 85% 80% 75% 70% 65% 60% 55% 50% 45% 40% 35% 30% 25% 20% 15% 10% 5%					
Job Number: 412DD1410P-01	Galley: 1	Proof: 2	Date: 1/3/05	Time: 12:45 PM	
Client: DUPONT	Contact: John x.6997	O&MD Job No.: DUP SP H 415637	Description: MCPS Sell Sheet	Operator: lb	
FOR INTERNATIONAL DISTRIBUTION CONTACT JOE ZIHAL AT (212) 237-6100 OR JOHN GAMBALE AT (212) 237-4774					

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Courtesy of Malden Mills

MULTI CLIMATE PROTECTION SYSTEM (MCPS) WITH DUPONT™ NOMEX® WAS CREATED TO MEET THE DEMANDS OF NAVAL AVIATORS AND AIRCREWS.

The flight deck of an aircraft carrier is probably the toughest place to work in the world. From the fierce winds and biting cold of the North Atlantic to the searing temperatures in the Gulf, dressing for diverse and demanding climates is more than about being comfortable—it's critical to getting the job done safely.

THE SYSTEM LAYER BY LAYER.

Traditionally, pilots were only able to wear a single layer under their flight suits. With the new Multi Climate Protection System (MCPS), six specially designed layers provide pilots and flight crewmen with optimal thermal protection in all weather conditions. By offering multiple layering options, MCPS with NOMEX® also adds up to superior comfort.

LAYER 1: FR underwear

The first layer of the system is lightweight long underwear made out of spandex and NOMEX® brand fiber, an inherently flame resistant, high temperature fiber that won't melt and drip or support combustion in air.

LAYER 2: FR stretch underwear

The second layer consists of Polartec® fleece pants and a shirt which include NOMEX® for thermal protection and spandex and nylon for form-fitting stretch. This layer is designed to be worn between the long underwear and the flight suit.

LAYER 3: Thermal FR liner

The third layer is made of Polartec® fleece with NOMEX® that can be worn on top of the second layer or just with the first layer under a flight suit.

The first three layers provide aviators with the warmth they need under their flight suits. In addition, three outer layers are available to protect aircrews and flight deck personnel from the cold weather.

LAYER 4: Thermal FR liner

The fourth layer is a Polartec® fleece bib-overall made mostly of NOMEX®.

LAYER 5: Wind block outerwear

A Polartec® fleece jacket or vest made primarily with NOMEX® provides the fifth layer and complements the overalls. Both of these layers are dense knits that help block the wind.

LAYER 6: Waterproof/windproof outer layer

The last layer is a version of "foul weather gear" designed to protect the wearer from the wind and rain. The Gore-Tex® fabric is laminated between a NOMEX® outer shell and liner.

For protection, comfort and flexibility, the Multi Climate Protection System is one of the most advanced clothing systems of its kind. Developed by NAVAIR along with DuPont, Pharr Yarns, Malden Mills, W.L. Gore & Associates, Inc., Peckham Industries and Propper International, each layer was tested on the DuPont™ THERMO-MAN® manikin to gauge thermal protection levels.

FOR MORE IN-DEPTH TECHNICAL INFORMATION ON NOMEX® BRAND FIBER AND NOMEX® APPLICATIONS, CALL 1 800-931-3456.

DUPONT™ NOMEX® PROTECTION.

DuPont scientists continue to improve and enhance NOMEX® offerings. And, because its resistance to flame is built into the fiber, NOMEX® brand fiber won't melt and drip or support combustion in air. In addition to military applications, NOMEX® garments are used by firefighters, industrial workers and race car drivers where superior thermal protection is essential.

Polartec® Thermal-FR Intermediate Layer Shirt with NOMEX®, Pant and Bib.

- Made primarily with NOMEX® for permanent flame resistance
- Will not melt or drip
- Warmth without weight
- Breathable
- Dries quickly
- Durable, machine washable



Courtesy of Malden Mills

Polartec® Wind Pro®-FR Outer Thermal Layer with NOMEX®, Jacket and Vest

- Made primarily with NOMEX® for durable flame resistance
- Will not melt or drip
- Blocks 95% of the wind
- Warmth without weight
- Highly breathable
- Water-repellent surface sheds rain and snow
- Durable, machine washable



Courtesy of W.L. Gore & Associates, Inc.

Outer shell garments with GORE-TEX® fabric and NOMEX®, Jacket and Pant

- Flame resistant
- Moisture vapor breathable
- Waterproof
- Windproof
- Machine washable



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