Tychem® F

Questions & Answers

For quicker reference, a listing of all questions is given first, followed by questions and answers together.

1. What chemical testing has been done on Tychem® F fabric?
   DuPont has submitted fabric to third party testing against the ASTM F1001 Chemical Test Battery, as well as additional common chemical warfare agents. (To view a list of chemical permeation data, please refer to the permeation database.)

   Tychem® F has been tested and certified by the prestigious TNO Laboratories in the Netherlands as having passed all the standard NATO tests for chemical warfare protection. In additional several nations with advanced chemical warfare testing facilities have satisfactorily subjected Tychem® F fabric to their own national test standards.

   Tychem® F garments have been subjected to the MIST (Man in Simulant Test) which is used to evaluate protection against chemical warfare vapors.  

2. Are Tychem® F garments the only DuPont garments available for domestic preparedness and protection against chemical and biological warfare agents?
   No, DuPont offers a wide range of garments for protection against chemical and biological agents. No one garment is appropriate for all activities. DuPont offers garments ranging from Responder® CSM Level A suits to coveralls made of Tyvek®, all of which have utility in domestic preparedness.

   Tychem® F garments are only available with respiratory fit hood, storm flap and taped seams. Similar style garments are also available in CPF®, 3, CPF® 4, Tychem® BR and Tychem® LV fabrics, which offer broader ranges of chemical barrier against Toxic Industrial Chemicals (TIC). Analysis by the FBI deems TICs to be a higher threat than military chemicals.  

3. In what applications is Tychem® F used?
   Tychem® F provides a lightweight barrier to the six (6) most significant chemical warfare agents. A protective suit made from Tychem® F to keep out chemical warfare agents will also provide barrier protection against biological warfare agents, however it is important that the garment design excludes the possibility of agents being drawn in at the wrist or ankles by the “bellows” effect.

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5. What is the shelf life of Tychem® F?

6. What color are the Tychem® F Garments?
4. **How should Tychem® F be disposed of?**

Tychem® F is made of polymers that do not contain halogens. Depending on the chemical contamination on the garment it can be either incinerated without any harm to the environment or buried in a responsible way. Discarded Tychem® F garments should be mutilated to prevent unauthorized reuse.  

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5. **What is the shelf life of Tychem® F?**

DuPont™ Tychem® F garments have a shelf life of 5 years when adequately packed and stored. However, garments may remain fully functional well beyond 5 years. A garment may continue to be used as long as it passes a rigorous visual inspection. These garments contain materials for which there is no specific shelf life data available. This includes the zipper and other trim components. It is recommended that garments be labeled and retired to “Training Use Only” after five years. The five year timing begins at the point the end-user receives the garment.  

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6. **What color are the Tychem® F Garments?**

The protective side is colored gray, while the inside is white Tyvek®.  

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