

next-to-skin



### Polartec® Power Dry® FR

- Made with a unique blend of fibers for permanent flame resistance
- Will not melt or drip on the skin when exposed to flame
- Superior wicking action
- Highly breathable and quick drying
- Comfortable next-to-skin

Polartec® Power Dry® FR performance features combine both permanent moisture management with permanent flame resistance. Featuring Polartec® patented bi-component knit construction that uses different yarns on either side of the fabric. This creates two different surfaces: one that is optimized to move moisture away from the skin, the other to dry quickly.



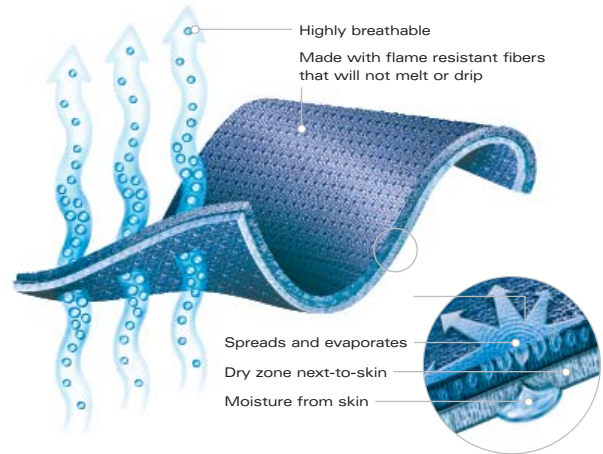
POLARTEC.COM



# Polartec® Power Dry® FR

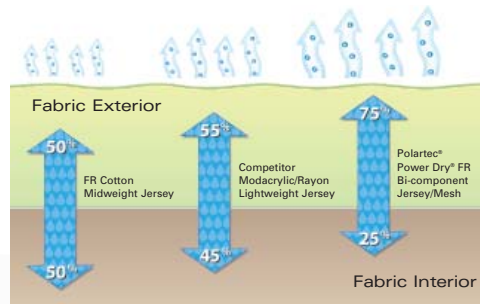
Moisture and high relative humidity next to the skin cause discomfort. Polartec® Power Dry® FR keeps the skin dry through three complementary mechanisms:

1. The fabric is highly breathable and does not restrict the movement of moisture vapor.
2. "Touch points" on the fabric inner surface draw off the sweat. Sweat is wicked off the skin to the outside of the fabric where it spreads rapidly for evaporation. Polartec® Power Dry® fabrics move at least 30% more moisture away from the skin than single component fabrics.
3. When the sweat reaches the outside of the fabric, it spreads out to many times its original surface area, enabling it to dry at least 2 times faster than cotton.
4. Made with a unique blend of fibers for permanent flame resistance.



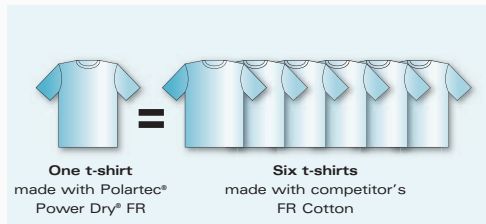
## Technical Highlights

- Permanent flame resistance
- Does not melt or drip on skin when exposed to extreme heat or flame
- Superior wicking action
- Patented bi-component construction keeps skin dry when you sweat
- Highly breathable to provide comfort in all activities; does not restrict the movement of moisture vapor
- Dries quickly
- Excellent stretch and recovery
- Soft surface next to skin provides all day comfort
- Machine washable



### Polartec® Power Dry® FR Provides Superior Wicking Action

Polartec® Power Dry® FR moves an average of 50% more moisture to the exterior of the fabric creating a drier zone next-to-skin.



### Polartec® Power Dry® FR provides 6:1FR Protection/Value

For sustained FR protection over a one year period, a worker would need six FR cotton t-shirts to maintain the same protection provided by one t-shirt made with Polartec® Power Dry® FR.\*

\*Based on average 40 wash life cycle of generic cotton jersey laundered daily for 240 working days.

## Certifications:

Fabrics are tested in the Polartec® state of the art labs and are certified to pass one or more of the following standards:

- ASTM D 6413
- ISO 14116 (EN533)
- ISO 11612 (EN531)
- NFPA 70E (ASTM 1506)
- These results have been confirmed by independent testing firms.

©2009 Polartec, LLC. Polartec®, Polartec® Power Dry® and Polartec® Power Dry® FR are registered trademarks of Polartec, LLC, registered in the United States and in other jurisdictions for fabrics only available from Polartec, LLC. SS PDFR 4/29/09

