

# TECHNICAL DATA



## FREESTYLE™ LAUNDERING GUIDELINES

Garments made from Freestyle™ fabrics may be safely laundered and dried in home or industrial type machinery. Listed below are guidelines that may be helpful for proper cleaning and care of these garments.

### General Guidelines

- Launder separately from non-flame resistant garments. Lint from those garments may affect flame resistance.
- To avoid possible staining of light colored garments, dark garments should be sorted and washed separately from light colors.
- Do not use chlorine bleach. Chlorine bleach may weaken the fabric and reduce garment life.
- Garments with oily or greasy stains may be pre-treated and washed in hot water (140° F maximum).
- These fabrics dry rapidly. For lowest shrinkage, do not over dry.

### Home Laundering

- Use permanent press or cotton sturdy wash cycle with cold or warm water. Hot water may be used on heavily soiled garments as long as it does not exceed 140° F.
- Use detergent only. Do not use soap. Soaps may leave a residue on the fabric that could affect the flame resistance.
- Tumble dry using the permanent press cycle. For the best appearance, do not over dry the garments and remove them promptly when the cycle is complete.

### Industrial Laundering

- Wash water temperatures should not exceed 140° F.
- High surfactant, low alkalinity detergent formulations are recommended for the best cleaning and color retention. Wash bath pH values should not exceed 10. Color loss, color change, excessive shrinkage, and reduced garment life may result from exposure to excessive temperatures and pH's in laundering.
- Soil re-disposition can be minimized by using the proper load size (60 to 70% of the rated maximum weight), wash formula, and rinse procedure. For the most effective cleaning, use a multiple add procedure (break and second suds).
- The garments must be adequately rinsed to remove residual wash chemicals. Rinse cycles should be continued until the pH of the rinse closely approaches that of the water supply. To minimize wrinkles, the water temperature should be reduced in each succeeding rinse cycle until the last operation (sour), where it should be 90° F or lower. The final pH after souring should be at or slightly above 7.
- The tumble dryer basket temperature should not exceed 200° F with a maximum exhaust temperature of 160° F.
- The garments may be tunnel dried for a smoother appearance. The garment temperature should not exceed 280° F.
- The garments may be pressed or tunnel finished if desired. Trials should be conducted to determine the best conditions to prevent fabric glazing or color loss before adopting a procedure.

Garments cleaned in accordance with these guidelines should have a long service life. TenCate cannot accept liability due to laundering conditions outside of our control. To the best of our knowledge, the information contained herein is accurate. However, Southern Mills assumes no liability whatsoever for the accuracy or completeness on the information contained herein. Users must satisfy themselves that the recommendations are suitable for their use and meet all appropriate safety and health standards.