

# TECHNICAL DATA



## Defender™ M Laundering Guidelines

Garments made with Defender™ M fabrics may be safely dry cleaned or laundered/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 these garments may affect flame Resistance.
- Do not use chlorine bleach. Chlorine bleach may reduce garment life.
- Garments with very oily or greasy stains may be pre-treated and washed in cold water (105° F Maximum). Dry cleaning may be more effective on these kinds of stains.
- This fabric dries rapidly; for lowest shrinkage do not over dry.
- Shrinkage of 3-4% may be expected; size garments accordingly.
- Do not overfill washing machine.

### Home Laundry

- Use permanent press wash cycle with cold or warm water.
- Use detergent only (products such as *Cheer* or *Tide*). Do not use soap (products such as *Ivory Snow*) or fabric softeners. Soap and fabric softeners may leave deposits on the fabric that affect flame resistance.
- Tumble dry using the permanent press cycle for best appearance.

### Industrial Laundry

- Wash temperature should not exceed 120 F.
- High-surfactant, low alkalinity detergent formulations are recommended for best cleaning and color retention. Wash bath pH values should not exceed 9 to 10. Color loss, excessive shrinkage and reduced garment life may result from repeated exposure to excessive temperature and pH in laundering.
- Soil redeposition should be minimized by using appropriate load size (60-70% of rated maximum weight), wash formula and rinse procedure. For most effective cleaning use a "multiple adds procedure" (break and second suds).
- For optimum garment life and reduced wrinkling, rinse cycles should end with final rinse temperature of 85-95 F and pH at or slightly above 7. Temperature step-downs between baths should not exceed 15 F.
- Tumble dryer basket temperatures should not exceed 200 F with 130-160 F stack temperature.
- Smoother garments and longer wear life may result from tunnel drying. Evaluate conditions to minimize hanger impressions. Garment temperature should not exceed 280 F.
- Garments may be pressed or tunnel finished, if desired. Determine best conditions to prevent fabric glazing or color loss before adopting a procedure.

### Dry Cleaning

- Clean Perchloroethylene can be used. Insure that solvent is completely evaporated. Redeposition must be avoided.

To the best of our knowledge, the information contained herein is accurate. However, TenCate 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.