

Therm-Chek® BH 703

Stabilizer Product Profile

Product Description

Therm-Chek® BH 703 is a liquid barium-zinc, solvent-free, high flash point heat stabilizer for use in flexible PVC and plastisols. It is formulated to perform in clear plastisol, extruded, injection molded and calendered applications that require excellent early color retention.

Typical applications include garden hoses, automotive bodyside moldings, tool dip coatings, and coated fabrics. This stabilizer performs well in bright white parts that require resistance to discoloration and yellowing. Recommended for outdoor applications, Therm-Chek® BH 703 provides good weatherability and low temperature aging characteristics.

Therm-Chek® BH 703 is used when there is a need to lower V.O.C. emissions from processing equipment without sacrificing heat stabilizer performance. In plastisols, this stabilizer provides good air release and initial and aged viscosity stability. It is suitable for both standard and low soap dispersion resins.

Therm-Chek® BH 703 has a low level of lubricity and allows good lamination and printing. In clear applications, the use of stearic acid should be minimized to retain clarity. Recommended starting point is 0.1 phr of stearic acid with 0.1 phr of an oxidized polyethylene or ester lubricant.

Therm-Chek® BH 703 is compatible with epoxidized soybean oil and can be pre-mixed before compounding.

Safety and Handling

Complete toxicity and handling information can be found on the Material Safety Data Sheet, which is available on request.

