

Review date : 09/09/2025

TECHNICAL DATA SHEET

Printing Date 10/11/2025

24632

CONCENTROL STB PU-2248

Silicone surfactant for application in rigid polyurethane systems, specially developed for rigid "water-blown" formulations. Well balanced stabilization and emulsification potency with blowing agents like pentane isomers. Usually stable in premixes using HFO as blowing agent. Specially designed also for elastomeric polyurethane foams.

PROPERTIES CONCENTROL STB PU-2248 is the industry standard silicone surfactant for most conventional rigid PU foam systems. Due to its special chemical structure, it provides maximum stability (non-hydrolysable chemical structure), it offer a high nucleating effect on the foam cells and excellent emulsifying properties. Some of the advantages of CONCENTROL STB PU-2248 are its good fire properties and high compressive strength of the PU foam. Calculated OH number, 70 mg KOH/g

Applications:

- Standard silicone surfactant for shoe-sole applications (elastomeric PU foams)
- Laminated board stock
- Pour-in-place systems
- Spray foam
- Packaging foam

APPEARANCE Clear viscous liquid.

COMPOSITION Silicone additive

DENSITY 1,03 ± 0,03 g/ml

pH VALUE 6.5 ± 1.5

VISCOSITY (R3,50): 500 ± 250 cps

PRESENTATION In 25L, 50L, 200L drums and 1000L IBC.

MINIMUM STABILITY 24 months between 5 and 35 °C

PRECAUTIONS Do not store outdoors. Avoid temperatures below 0°C. Keep containers closed. Application temperature of the product should be at least 15°C. If the product becomes hazy (below 15°C) or solidifies (below 10°C), it will regain its liquid state warming the material up.