

# Arabian Agencies and Trading FZCO

## Technical Data Sheet

### Processing Additive DA-1200

- **Product Description**

Processing additive **DA-1200** is a reactive polyfunctional additive that finds utility in a number of urethane foam applications. In conventional slabstock foam, processing additive **DA-1200** stabilizes the foam bun in Critical low –medium density formulations where splits and cracks can occur. It is mainly used when adding fillers to the polyol like calcium carbonate to avoid the splits and cracks.

Furthermore, it provides the processability necessary to produce soft foams using low isocyanate index, thereby reducing or eliminating the need for auxiliary blowing agents. It also can be used in high resiliency technologies (HR) as well as specialty formulations such as viscoelastic foams.

- **Typical Physical Properties**

Appearance.....Clear and substantially free of foreign matter

Color, Pt-Co.....10 max

Purity Wt %.....99.5 max.

Water, wt %.....0.04 max.

Flash Point, MCC, °F.....>127°C

Hydroxyl Number (mg OH/g).....1400

- **Formulation and Use**

The use of processing additive **DA-1200** in low-medium density formulations can help reduce processing problems often encountered when methylene chloride or fillers. **At 0.5 – 1.5 pts.**, processing additive **DA-1200** provides excellent foam processing and bun stability. Only minor catalyst adjustments are needed. **A reduction of stannous octoate by 5-10% is required** for optimum processability. This will vary depending on the formulation.

The use of processing additive **DA-1200** can partially or totally replace auxiliary blowing agents in soft slabstock foam formulations. At 1-2 pphp, processing additive **DA-1200** provides the process ability to allow conventional slabstock formulations to be manufactured at 95-100 TDI index. Manufacturing foam at 95 index can reduce the hardness (25% IFD) of the foam by up to 50% from that made at 110 index. At 95-100 indexes, the foam physical properties are similar to more conventional index foams. In the 105-110 index range, processing additive **DA-1200** dose not alter foam processability and can improve certain foam characteristics.

- **Packaging of DA-1200**

Packing in Drums

200 kgs

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