

TECHNICAL DATA SHEET**DESCRIPTION**

PUMA[®] 2134 is a high-purity crystalline catalyst for polyurethane foam applications. It consists of 99% wt. (minimum) triethylenediamine on a water-free, amine base.

APPLICATION

PUMA[®] 2134 crystalline catalyst is used in all types of polyurethane foams including flexible slabstock, flexible molded, rigid, semi-flexible and elastomeric. It is also used in polyurethane coating applications. It accelerates the reactions between the isocyanate and water and the isocyanate and organic hydroxyl groups. In flexible slabstock foam systems, it can be used with a stannous octoate catalyst. In flexible molded systems, PUMA[®] 2134 crystalline catalyst can be used with a blowing co-catalyst. In rigid systems, PUMA[®] 2134 crystalline catalyst is frequently used with dimethylethanolamine.

GUARANTEED VALUES

| Parameter | Value |
|----------------------------|-----------|
| triethylenediamine content | 99% min. |
| Water content | 0.5% max. |

TYPICAL VALUES

| Parameter | Value |
|---------------------------------|--------------------|
| Physical State | Crystalline solid |
| Odor | Ammoniacal |
| pH | Alkaline |
| Flash Point (Closed Cup) | 62 °C / 144 °F |
| Specific Gravity (Water = 1) | 1.14 |
| Vapor Pressure at 21 °C (70 °F) | 0.50 mmHg |
| Boiling Point | 174 °C / 345.20 °F |
| Solubility in Water | 39% |

NOTES

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