

TECHNICAL DATA SHEET**DESCRIPTION**

PUMA[®] 2190 is a delayed-action catalyst designed for use in flexible polyurethane foam formulations. Its catalytic effect is more specific to the water-isocyanate or blowing reaction.

APPLICATION

PUMA[®] 2190 catalyst is suited for all types of flexible foam. It is chemically blocked to reduce its catalytic effect during the early stages of the polyurethane reaction. As this reaction progresses however, PUMA[®] 2190 catalyst de-blocks, providing maximum activity. This allows enhanced control of cream time. When substituted part-for-part for other blowing catalysts, it will provide delayed cream time without delaying the end of the reaction. PUMA[®] 2190 catalyst is also recommended for use in energy absorbing non-recoverable rigid foam.

GUARANTEED VALUES

Parameter	Value
Dissociated 2,2'-oxybis(N,N-dimethylethylamine)	71.0% - 72.7%
Water content	3% max.

TYPICAL VALUES

Parameter	Value
Physical State	Amber liquid
Flash Point (Closed cup)	65 °C / 149 °F
Specific Gravity (Water = 1)	1.04
Viscosity at 25 °C (77 °F), cP	61
Calculated OH Number, mgKOH/g	476
Solubility in Water	100%
Drum net weight	200kg / 441lb

NOTES

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