

NIAX* CATALYST MC-810

Description

NIAX catalyst MC-810 is a bismuth based catalyst, exhibiting strong gel catalytic activity, and having broad applicability in both rigid and elastomeric polyurethane systems

Key Features and Typical Benefits

- Strong urethane catalyst with low volatility and little to no odor
- Catalytic activity that makes it a potential alternative to Lead, Mercury and Tin catalysts
- Can be used alone or in combination with other catalysts (Momentive technical experts can help in the selection of a co-catalyst)
- Generally compatible with common polyether or polyester polyols¹

Typical Physical Properties

Form	Clear liquid
Viscosity, 25°C	3500 mPas
Specific Gravity, 25°C	1.16
Water content (max %)	0.3

Typical Properties are average data and are not to be used as or to develop specifications

Table 1. Example one-shot elastomer system sample formulation.

Raw Material	pphr
Polyether Polyol (OH = 35)	94
Ethylene Glycol	6
Catalyst	vary
Modified MDI (29% NCO, Eq. Weight = 144)	Index 103.5

Product formulations are included as illustrative examples only. Momentive makes no representation or warranty of any kind with regard to any such formulations, including, without limitation, concerning the efficacy or safety of any product manufactured using such formulations.

¹ It is recommended to check that the formulated system will meet appearance and shelf life requirements

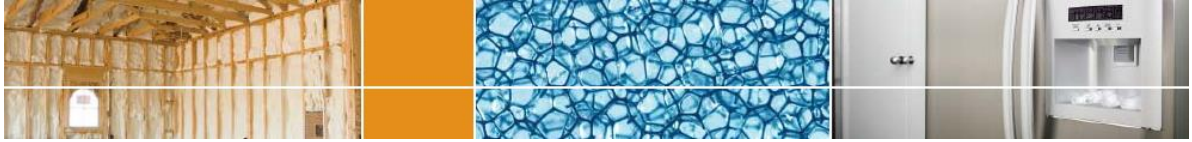
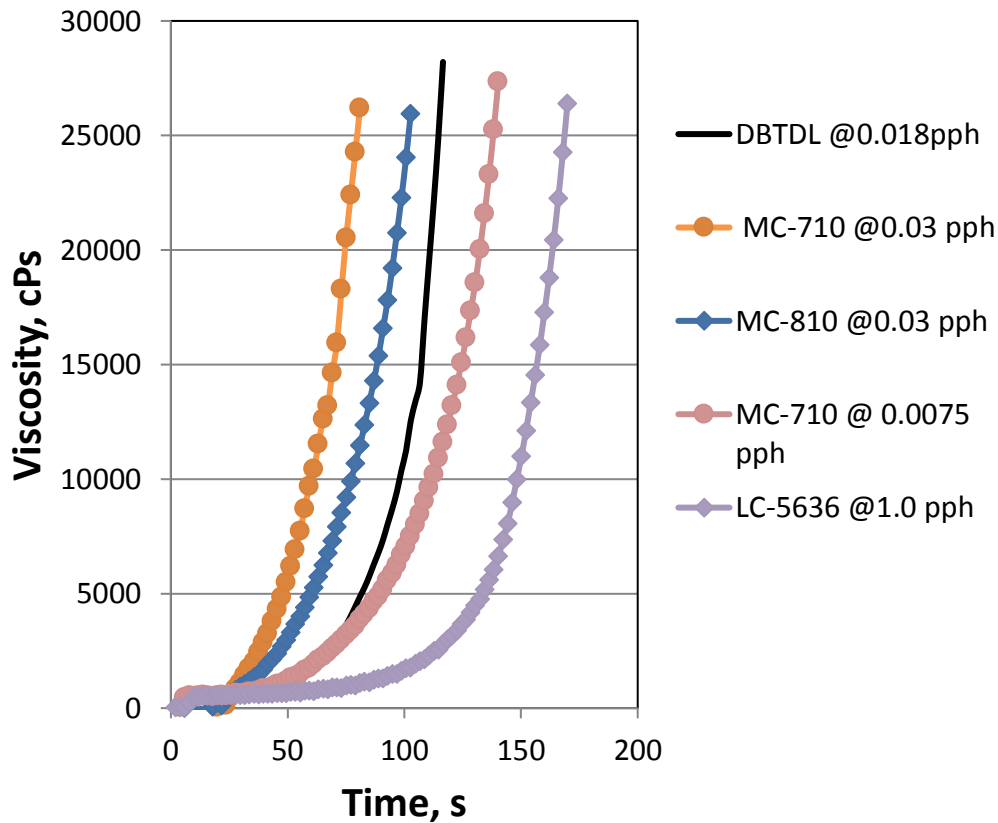


Figure 1. Viscosity versus time of a one-shot polyether based elastomer system



General Considerations for Use

The typical product usage level is comparable to DBTDL or slightly lower, ranging from 0.01% to 1%.

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