

## Technical Data Sheet

### Mintepox® HMH 023

**Description** polyetheramine hardener

**Properties and Fields of Application** Mintepox® HMH 023 is a very low-viscous polyamine hardener based on an aliphatic polyether structure. In combination with suited epoxy resin blends key features are long pot-life, low exothermal heat development and excellent (UV) light stability. Mintepox® HMH 023 is used for the adjustment of reactivity and pot-life of other epoxy curatives, but is also applied as sole hardener for casting resins.

	<i>Property</i>	<i>lower limit</i>	<i>upper limit</i>	<i>Measuring Unit</i>	<i>Method of Determination</i>
<b>Specification</b>	Primary amine content	97		w.-%	GC
	Amine Value	460	470	mgKOH/g	DIN EN 1877-1
	FTIR comparison	PASS			
	Hazen-Colour		60	mgPt/L	ISO 6271-2

	<i>Property</i>	<i>Value</i>	<i>Measuring Unit</i>	<i>Method of Determination</i>
<b>Characteristic Data</b>	Active-H-Equiv. Weight	61	g/eq.	calculated
	Solid Content	100	w.-%	calculated
	Density at 23 °C	0.944	g/mL	ISO 2811-2

<b>System Properties in combination with Mintepox® YMR 612</b>	rec. Amount Hardener	33	g	per 100 g resin
	Initial Viscosity at 23 °C	ca. 150	mPas	ISO 3219
	Gel-Time	ca. 400	min	
	min. Curing Temp.	12	°C	
	Shore D a. 7 d r.t.	> 78		ISO 868

**Storage** At room temperature, the shelf life in original, unopened containers is at least 24 months. When packed in IBCs the tightness of the discharge valves has to be checked regularly!

**Occupational Safety** When processing epoxy resins and hardeners, the usual precautionary and hygiene measures for handling chemicals as well as the applicable official occupational safety and environmental protection regulations must be observed. Particular attention must be paid to skin and eye protection and the selection of suitable protective gloves. Detailed information on hazards, labeling, occupational safety and environmental protection can be found in the product safety data sheet.

The information given in this technical data sheet is based on carefully executed tests and is intended to give orientation to the user. However, it is non-binding as we cannot take over any liability, also related to possible protective rights of third parties, due to the variety of treatments and applications.