

## AROMATIC AMINE CURING AGENTS

PRODUCT NAME	VISCOSITY @ 25°C (cps)	MELTING POINT (°C)	AHEW	MIX RATIO ** (Resin/Hardener)	APPLICATIONS / COMMENTS
K-5	Solid	85 - 95	50	100 : 27	Methylene dianiline (MDA). Used for composites, casting and laminating applications requiring chemical resistance and high heat distortion temperatures (T <sub>g</sub> : 153 - 170°C).
K-9	Solid	60 - 65	27	100 : 15	m-phenylene diamine (m-PDA). Used to obtain systems with high heat distortion temperature.
K-10	Solid	175 - 185	63	100 : 35	4,4'-DDS for high temperature and chemical resistance. Used in prepregs for aerospace and industrial composites, adhesives and PWB laminates conforming to NEMA G-11 and FR-5 specifications.
K-10 Micro	Solid	175 - 185	63	100 : 35	Micropulverized version of K-10 used mainly for making prepregs by the hot-melt process.
K-24	1500 - 2000	Liquid	63	100 : 35	Liquid aromatic amine for high heat and chemical resistance applications.
RA-330	Solid	165 - 175	63	100 : 35	Micropulverized 3,3'-DDS. Used in prepregs for high performance composites and adhesives.
RA-440	Solid	175 - 185	63	100 : 35	Micropulverized 4,4'-DDS with particle size between K-10 and K-10 Micro.

<b>PRODUCT NAME</b>	<b>VISCOSITY @ 25°C (cps)</b>	<b>MELTING POINT (°C)</b>	<b>AHEW</b>	<b>MIX RATIO (EPOXY:CA)</b>	<b>APPLICATIONS / COMMENTS</b>
K-450	1000-5000		64	100 : 35	Ethyl Substituted MDA. Gives long pot-life at ambient temperature. Used for casting applications and filament winding.
XH-56	280-330		53	100 : 29	Low viscosity curing agent which sets at ambient temperature but requires heat for full cure. Excellent for pultrusion and filament winding and casting electrical components.
XH-56-1	80-90		49.5	100 : 27	More reactive version of XH-56
K-41	3800-5800	Liquid		100 : 60	MDA based curing agent. Low reactive curing agent for chemical resistant solvent free coatings, tank linings, and flooring applications. Recommended in combination with LAPOX K-42.
K-42	15000-21000	Liquid		100 : 60	MDA based curing agent. High reactive curing agent for chemical resistant solvent free coatings, tank linings, and flooring applications. Recommended in combination with LAPOX K-41.
K-49	700-900	Liquid		100 : 65	MDA based low viscosity curing agent for chemical resistant solvent free coatings, tank linings, and flooring.
XH-65	Tan Waxy Solid			100 : 28	Similar to K-5. On melting, stays liquid for a long time.
XH-66		150 – 156	56.5		Methyl substituted MDA

**\*\* Recommended mix ratios are with standard liquid epoxy resins such as B-13 or B-11.**