

Advanced Materials

Accelerator 960-1#

Low-viscosity accelerator based on a tertiary amine

DATA SHEET

Tertiary amine based accelerator for ambient and high temperature cure epoxy systems.

Applications	<ul style="list-style-type: none"> Construction industry systems Solvent containing and solvent free coatings Water borne coatings 																											
Properties	<ul style="list-style-type: none"> will decrease potlife, drying and curing time more than 5 % on resin can decrease flexibility and chemical resistance. If greater quantities are used, the amount of resin must be increased approved according to FDA 121.2514 for foodstuff contact 																											
Key data	<p>Specified key data</p> <table border="0"> <tr> <td>Aspect (visual)</td> <td colspan="3">Yellow to brown liquid</td> </tr> <tr> <td>Color Index GARDNER (ISO 4630-2)</td> <td colspan="3">≤ 8</td> </tr> <tr> <td>Amine number (ISO 9702)</td> <td>560 - 675</td> <td colspan="2">[mg KOH/g]</td> </tr> <tr> <td>Viscosity at 25 °C (ISO 2555)</td> <td>120 - 250</td> <td colspan="2">[mPa s]</td> </tr> </table> <p>Specified key data are individually checked throughout and guaranteed.</p> <p>Typical key data</p> <p>The H⁺ active equivalent weight of can not be measured. An approximate value of 20 shall be used for equivalence calculations.</p> <table border="0"> <tr> <td>Density at 25 °C (ISO 1675)</td> <td>0.97</td> <td colspan="2">[g/cm³]</td> </tr> <tr> <td>Flash point (Pensky Martens, ISO 2719)</td> <td>≥ 107</td> <td colspan="2">[°C]</td> </tr> </table> <p>Typical key data are spot checked; the values are typical for the product and are indicated for information only. The values are not guaranteed.</p>				Aspect (visual)	Yellow to brown liquid			Color Index GARDNER (ISO 4630-2)	≤ 8			Amine number (ISO 9702)	560 - 675	[mg KOH/g]		Viscosity at 25 °C (ISO 2555)	120 - 250	[mPa s]		Density at 25 °C (ISO 1675)	0.97	[g/cm³]		Flash point (Pensky Martens, ISO 2719)	≥ 107	[°C]	
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Mix ratios	Components	Parts by weight																										
	Araldite® GY 250	100	100	100	100																							
	Aradur® 125	60	60	60	60																							
	Accelerator 960-1	-	1	2	3																							
	Gel time (Tecam, 100 ml, 20 °C, 65% RH)	[min]	170	145	140	135																						
	Dust-dry time (Landolt)	[h]	> 30	> 30	> 30	> 30																						
	Full-cure time (Landolt)	[h]	> 30	~ 28	~ 16	~ 12																						
	Persoz hardness	[s]																										
	1 day		-	-	-	-																						
	2 days		-	14	35	55																						
	3 days		10	20	50	85																						
	7 days		17	50	85	115																						

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Storage	Accelerator 960-1 should be stored between 2 and 40°C in original container protected from direct sunlight in a dry, cool and well ventilated area , away from food, drink and incompatible materials. Keep container tightly closed and sealed until ready for use . Containers that have been opened must be carefully resealed and kept upright to prevent leakage . Don't store in unlabelled containers. Use appropriate containment to avoid environmental contamination .
Handling precautions	Mandatory and recommended industrial hygiene procedures should be followed whenever our products are being handled and processed. For additional information please consult the corresponding product safety data sheets and the brochure "Hygienic precautions for handling plastics products".

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