



NEW PRODUCT DATA

'BAKELITE' EPOXY HARDENER

PRODUCT DESIGNATION

ZZLA-0822

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DESCRIPTION ZZLA-0822 is an epoxy curing agent recommended particularly for high impact strength applications. When properly combined with "Bakelite" liquid epoxy resins ERL-2774 and ERL-2795, it provides low viscosity and moderate pot life. ZZLA-0822 can be used in proper combination with all "Bakelite" epoxy hardeners to attain desired properties. Its use is suggested in adhesives, tooling, electrical encapsulation, trowelling compounds and coatings. Working time in coatings can be further extended by the addition of a ketone solvent (10 - 15% on resin wt.).

In the handling of ZZLA-0822, as with most polyamines, care should be exercised to avoid contact with the skin or inhalation of vapor. For some persons, such contact can cause sensitivity and development of a skin rash.

PROPERTY	TESTING METHOD	UNIT	REQUIRED VALUE
Viscosity @ 25°C.	WC-31-I	centistokes	10 - 25
Specific Gravity @ 25°C.	WC-1-E	---	1.005 - 1.015
Weight/gallon	---	pounds	8.38 - 8.46
Amine Equivalent	WC-223-C-2	mequiv/gm.	8.50 - 9.10
Color (Gardner Method)	WC-5-G	Scale 1933	1 max.

PACKAGING AND LABELING The standard package for ZZLA-0822 is a resin lined, 55-gallon, non-returnable, 20 gauge shell and 18 gauge heads, black iron drum (ICC Type 17E) with 2-inch and 3/4-inch openings in head sheet, sealed with Rieke fittings with Meloil fibre gaskets. The package will be plainly marked with the product, batch and drum numbers, and the quantity of material contained 500 lbs. net. In addition, it will bear a label with the warning statement of KEEP DRY - STORE INSIDE.

STORAGE ZZLA-0822 is hygroscopic in nature and being basic will absorb carbon dioxide with consequent destruction of the reactive amine group; therefore, storage in sealed containers is recommended. If properly sealed, ZZLA-0822 will keep indefinitely.

TESTING METHODS Tests are made in accordance with current issues of the Union Carbide Plastics Company Standard Testing Methods identified.

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The recommendations, test results, property values, and suggestions are offered herein as a guide in the use of these materials and are not a guarantee of their performance. The property values given are those to be expected in the product at the time of manufacture. These values are dependent upon using the testing methods as indicated. Properties more certain to be realized are measured with lesser frequency than others as is usual where manufacturing operations are closely controlled. If applications require continual verification of a certain property or properties, requirements should be discussed with a Union Carbide Plastics Technical Representative. Union Carbide Plastics Company reserves the right to alter the formulation and to discontinue the production of this product at any time.