

high performance epoxy resins for the formulation of single and multi-component systems

AH129

epoxy resin [liquid - unmodified]

General Description

AH129 is an unmodified solvent free epoxy resin. It is a bis phenol "A" based epoxy resin and it is utilised in an extensive number of product areas.

AH129 is characterised by medium viscosity and it imparts good mechanical properties and chemical resistance when formulated with a variety of optional epoxy curing agents and/or accelerators.

Applications

AH129 may be used in many single and two-pack systems that may be utilised in an extensive number of market areas. An extensive number of complementary epoxy curing agents are offered with further details available from our technical sales personnel.

Key Properties

- Medium viscosity
- Unmodified – solvent and diluent free
- Excellent mechanical, electrical and chemical resistance properties [when formulated with a suitable cross linking agent]
- Complimentary curing agents available

Specification

AH129 polymer specification and supplementary physical and handling properties. Table 1 provides details of some of the product characteristics. The values highlighted by the circular symbols [left hand column of table] are properties tested on a batch basis and reported in the certificate of analysis. All other properties are typical of batch manufacture and are for technical information only. They do not constitute a specification.

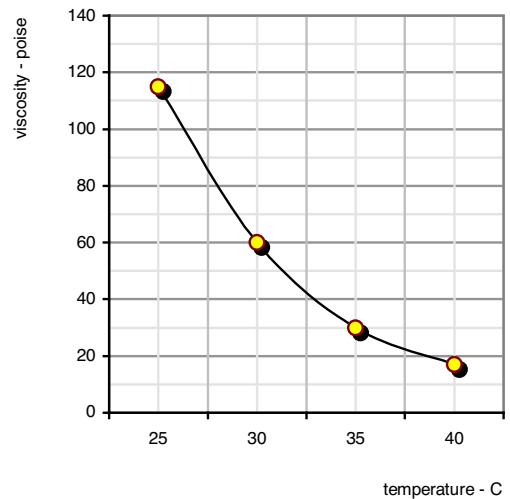
Table 1

Physical Property	Units	Method (1)	Minimum	Maximum
• Appearance – [To Defined Standard]	(2) -	BSMT A 1001-001	ETS (3)	-
• Colour	- Gardner	BSMT A 1002-001	-	1
• Viscosity	(4) Poise	BSMT A 1003-005	100	140
• N.V.C.	- %	BSMT A 1015-002	-	100
• EEW – [Epoxy Equivalent Weight]	- G/eq	BSMT A 1017-001	180	190
- Specific Gravity	(4) Kg/litre	BSMT A 1010-002	1.15	1.20

Property key

- (1) BSMT – Bitrez Standard Method of Test
- (2) FFFM – Free from Foreign Matter
- (3) ETS – Equal to Standard
- (4) Evaluated at 25°C/77°F

Figure 1
viscosity vs temperature



Packaging

AH129 is supplied in the following standard pack sizes. [Alternate packaging may be available upon request.]

210 lt drums – tight head @ 240 KG net weight

IBC units @ 1000 KG net weight

Storage

AH129 should be kept in the original containers and sealed. Containers should be stored in a cool, dry place in compliance with the appropriate legislative controls.

AH129 has a tendency to crystallise with prolonged storage [especially at low temperatures] but this can be reversed by cautiously warming material to approximately to 50°C–60°C

Shelf Life

If stored in accordance with the guidelines provided this grade has a minimum shelf life of **12 months**. If material is held beyond this period of time then it should be evaluated to confirm that it remains suitable.

General

In the event that the system detailed herein does not satisfy any particular requirements, either in terms of the physical, mechanical or chemical resistance properties then we would be pleased to discuss alternative grades. In the event that further information is required, our technical sales staff will be pleased to establish if the information is available and offer assistance.

Health and Safety

Prior to using any material supplied by **ebalta** UK Limited, information should be sought from our general guidance notes and specific reviewed from the Material Safety Data Sheets [MSDS]. MSDS information is periodically updated and revised copies will be forwarded as changes are made.



Notice

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