

H180 STANDARD EPOXY HARDENER

Description:

- ❖ Amine adduct for use with R180 Epoxy Resin for laminating systems.

Application Data:

Specific Gravity	0.94Kg/litre
Amine Eqv wt H	38
Colour (Gardener)	5 max.
Min application	15°C 550 micron, wet film build

Specification:

Viscosity 20°C	100-300cps
Mixing ratio Wt or Vol	100 parts R180 to 20 parts H180
Pot life 100 gram 20°C	20-30 minutes

Typical Properties:

100 parts R180: 20 parts H180 by weight

Flexural properties ASTM D790-90 80mm span: 2mm/min	14 days @ 20°C
Tangent Elastic Modulus	3000 Mpa
Modulus of Rupture	93 Mpa

Compression to ASTM D695-91	
Elastic Modulus	1340 Mpa
Compressive Stress	86 Mpa
Yield %	7.4%
Offset Yield	79 Mpa
Offset Yield %	6.1%

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NUPLEX INDUSTRIES (AUST) PTY LIMITED
SYDNEY

Telephone (00612) 9666 0331
Fax (00612) 9666 6396



NUPLEX INDUSTRIES LIMITED
12 Industry Road, Penrose
Auckland New Zealand
PO Box 12-841 Penrose
Telephone 0 - 9 - 579 2029
Facsimile 0 - 9 - 525 1618
Toll Free 0800 687 539

	Ambient	+4 hr @ 80°C.
H.D.T. ASTM D684 1820 Kpa	46°C	56°C
Expansion ASTM D696mm/mm/°C	90x10	60x10
Glass Transition (TG)	33°C	52°C
Expansion past TG mm/mm/°C		120x10

Precautions:

High atmospheric humidity or drops in temperature around dew point may result in condensation on the uncured film causing changes in the film surface as a result of hydration. This effect may cause loss of intercoat adhesion. In these conditions good adhesion may be obtained by re-roughening the surface.

Important Note:

The specifications listed above are given to the best of our knowledge, however without any warranty expressed or implied. The specification is subject to change without notice. QUALITY CONTROL REPORT is available for each batch for actual results. Consult MATERIAL SAFETY DATA SHEET for handling of material.

