



## Technical datasheet

# A-Pox 900 with B-Cure 24 +120 degr.C system

The epoxy is based on epoxy resin of Diglycidyl ether of Bisphenol-A + Diglycidyl ether of Bisphenol-F. It is modified with multifunctional reactive diluent in order to give low viscosity resin with highly improved adhesion to difficult surfaces. The epoxy has good mechanical strength and chemical resistance.

Good resistance against crystallization, and it can be stored at ambient temperature at least 12 months in sealed drums.

Curing agent is a cycloaliphatic type slightly modified thus achieving better Tg with lower temperature cure. To be stored at +15 to 30 degr.C in sealed drums.

Typical applications:

Developed specially for vacuum infusion of high tech composite parts.

A-Pox 900 is recommended to be used with curing agent B-Cure 24 mixed with **100:27 pbw** which gives low mixed viscosity from 350-400 mPas at 25 degr.C having very good wetting- and process properties.

Typical Properties epoxy:

Epoxy Equivalent Weight (g/eq)	170-180
Viscosity (mPas / 25°C)	1000-1200mPas
Density (g/cm <sup>3</sup> 25°C)	1.15-1.16
Color (Gardner)	<2

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Tg:

Cure cycle 35 ->50 degr. 120min -> cooling to 35degr - demoulding

Cure 120 degr. for 8 h – cooling to 35 degr.

Typical measurement Tg.mid: 127-130degr.C

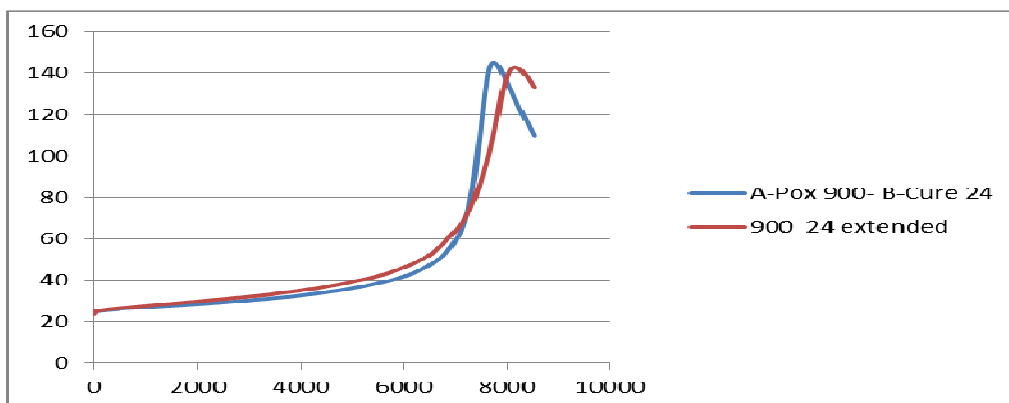
Cure 60 degr. for 12 h – cooling to 35 degr.

Typical measurement Tg.mid: 86-89degr.C

Cure 120 degr. for 8 h – cooling to 35 degr.

Typical measurement Tg.mid: 127-130degr.C





Pot life 100gr sample - 25degr.start: Toptime 125-135 min.  
toptemp 140-150 degr.C

Mechanical strength - provisional:

A-Pox 900 / B-Cure 24 mix 100-27 pbw Postcuring 8h/120gr.C		
Tensile strength	Mpa	64-73
Youngs modulus	Mpa	24-3000
Elongation to break	%	3.2-3.5

Handling precautions:

Product may cause skin and eye irritation. In cases of skin contact wash immediately with soap and water. For eyes, flush with plenty of water for 15 minutes and seek medical attention immediately.

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