

Product information

ANCHOR[®] 1115

Curing Agent

DESCRIPTION

Anchor 1115 is a chemically modified amine complex of boron trifluoride designed for use as a latent catalytic curing agent for liquid and solid epoxy resin. Cured mechanical properties, heat resistance and chemical resistance are typically excellent but are dependent upon the concentration and degree of post cure employed.

TYPICAL PROPERTIES

Property	Value	Unit	Method
Appearance	Dark Liquid		
Colour	< 17	Gardner	ASTM D 1544-80
Viscosity @ 25°C	1,700	mPa.s	Brookfield RVTD, Spindle 4
Free Water	< 3.5	%	K Fischer
Specific Gravity @ 21°C	1.15	g/ml	
Flash Point (closed cup)	96	°C	
Recommended use Level	5-10	PHR	With Bisphenol A diglycidyl ether (EEW=190)

ADVANTAGES

- Reduced hygroscopicity
- Good solubility in liquid epoxy resins

APPLICATIONS

- Laminates
- Encapsulation
- Heat-cure insulating varnishes

SHELF LIFE

At least 24 months from the date of manufacture in the original sealed container at ambient temperature.

STORAGE AND HANDLING

Product may partially solidify or may separate in transit or on standing. Warm product to 60°C and stir to ensure consistent performance, vent drum. Refer to the Safety Data Sheet for Anchor 1115 curing agent.

TYPICAL HANDLING PROPERTIES [10 PHR]

Property	Value	Unit	Method
Gel Time 150g @ 25°C	6-10	weeks	Techne GT-3 Gelation Timer
55g @ 110°C	40	min	
DSC Activation Temperature	75	°C	Heating rate 10°C/min
Typical cure schedule	4h @ 140°C		

TYPICAL PERFORMANCE PROPERTIES *

Heat Distortion Temperature 140 °C (ASTM D648)

* 4 h @ 140°C

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