

AJICURE PN-50

Technical data sheet

Ajinomoto Fine-Techno Co.,Inc.

Tentative specification

Table 1. Tentative specification of AJICURE PN-50

		Tentative specification
Appearance		pale yellow - pale brown powder
Softening point	°C	100 - 125
Average particle size	micron	6.0 - 15.0
Gel time (120°C)	sec.	140 - 380

Formulation examples

Table 2. Formulation examples

Formulation		Run 1	Run 2
Bisphenol A epoxy resin (eew190)		100	100
AJICURE PN-50		20	2.5
Dicyanediarnide		-	8
Calcium carbonate		-	20
Aerosil #200		1	1
Gel time	(sec. / 120deg.C)	205	456
	(sec. / 150deg.C)	-	137
Initial viscosity	(Pa s)	29	27

Gel Time (PN-50 as a hardener)

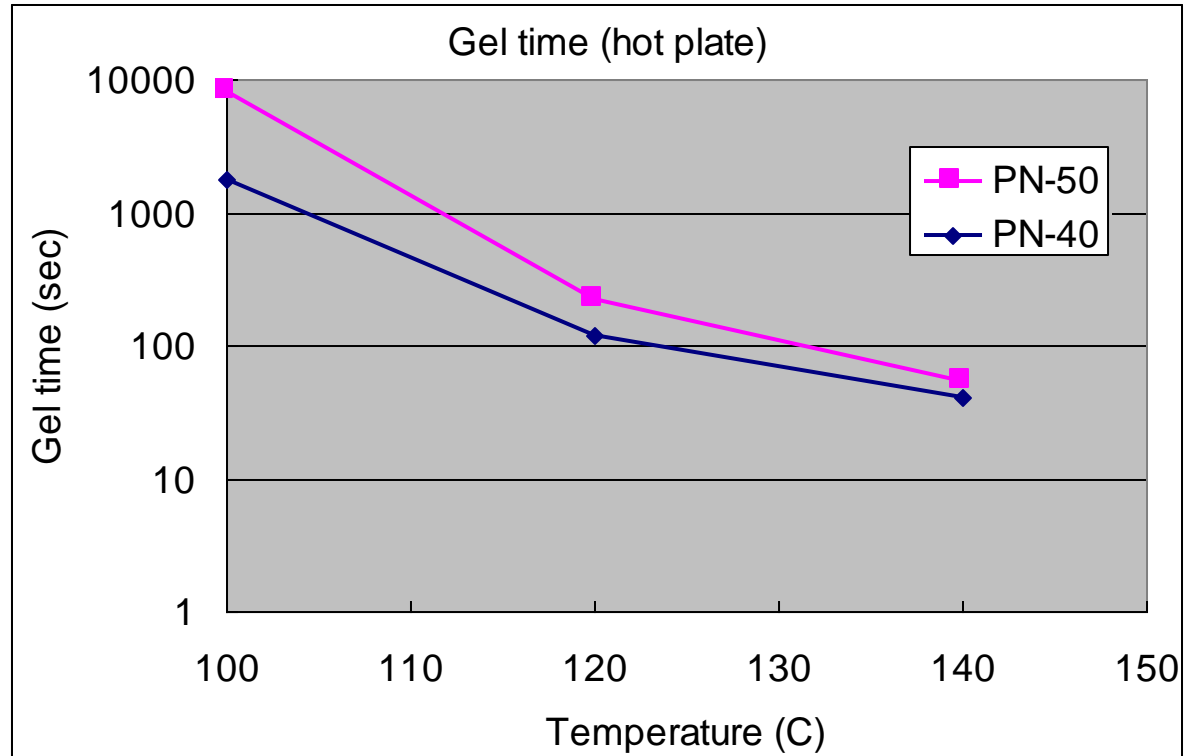
Formulation

Bisphenol A epoxy * 100

AJICURE PN-50 20

Aerosil #200 1

* $ee_w=190$

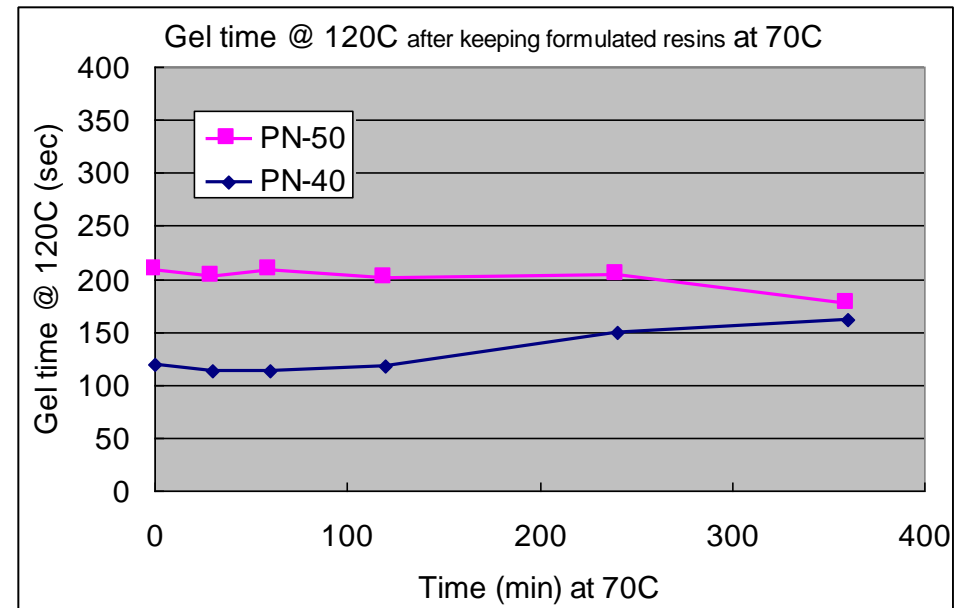
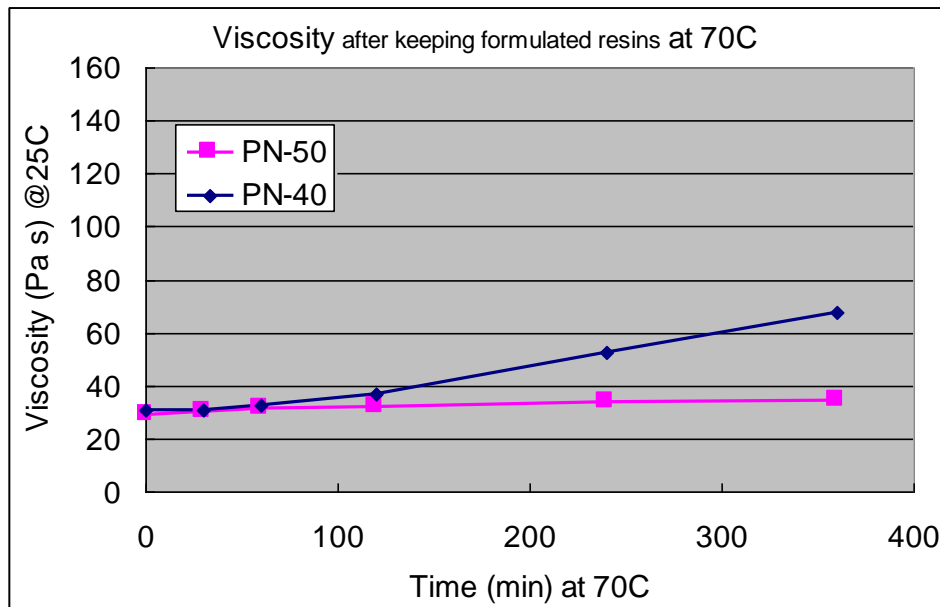


Stability at 70 °C (PN-50 as a hardener)

Formulation

Bisphenol A epoxy *	100
AJICURE PN-50	20
Aerosil #200	1

* $ee_w=190$

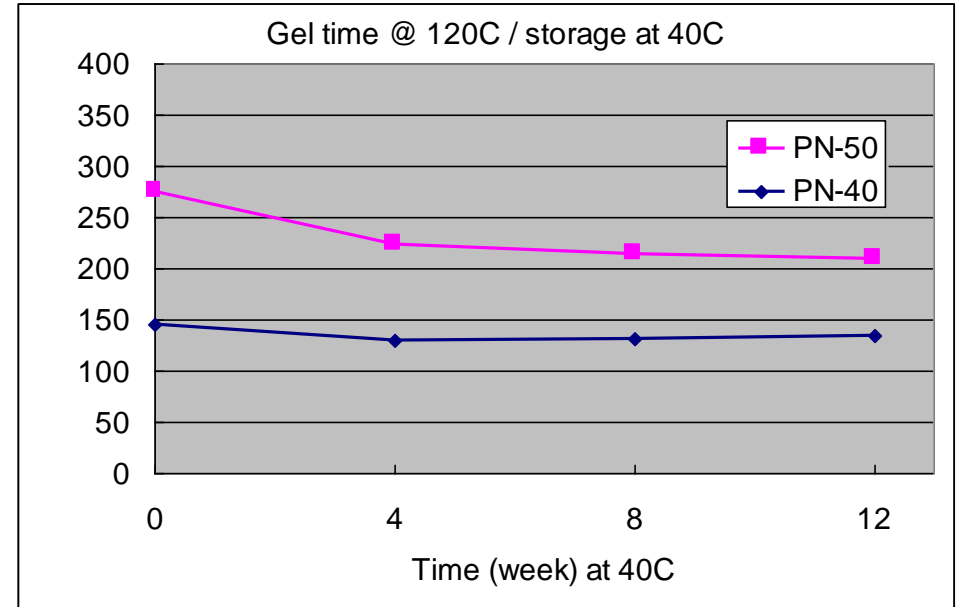
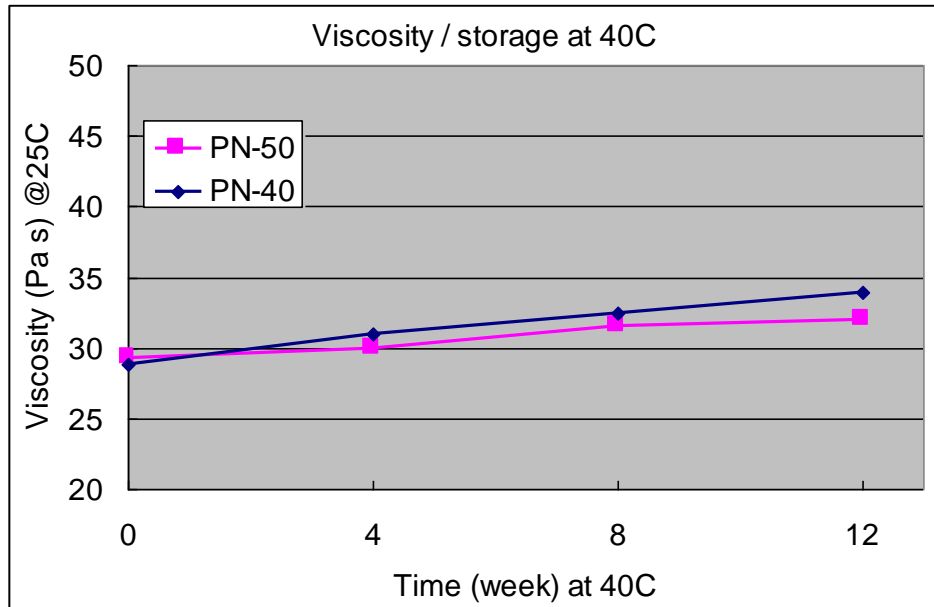


Stability at 40 °C (PN-50 as a hardener)

Formulation

Bisphenol A epoxy *	100
AJICURE PN-50	20
Aerosil #200	1

* $eeW=190$



Gel Time (PN-50 as an accelerator for DICY)

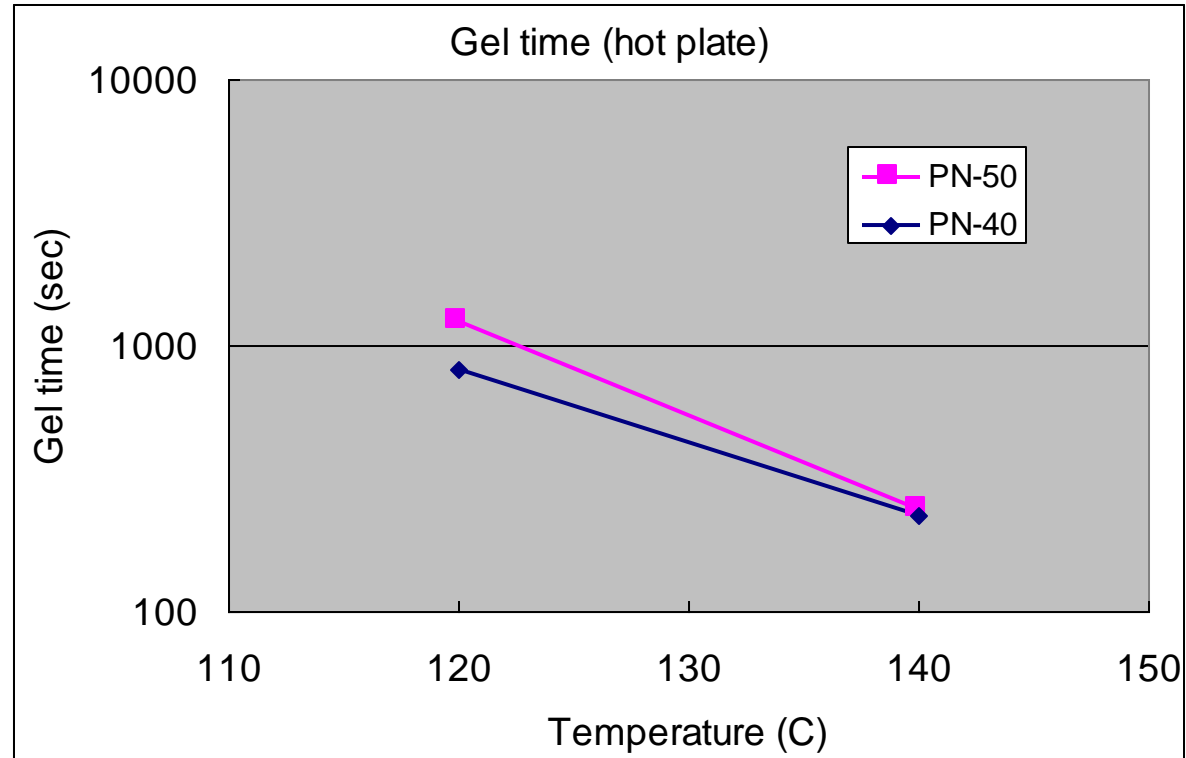
Formulation

Bisphenol A epoxy *	100
DICY-7 **	8
AJICURE PN-50	2.5
Calcium carbonate***	20
Aerosil #200	1

* *eeW=190*

***DICY-7 Av. Particle size 3um*

****#2000 (Sankyo seifun)*



Stability at 70 °C (PN-50 as an accelerator for DICY)

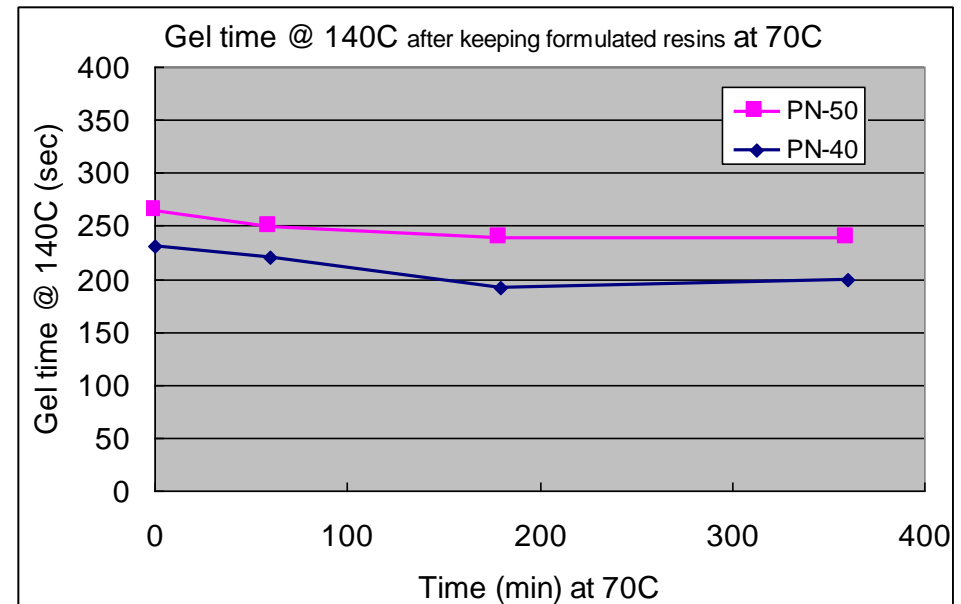
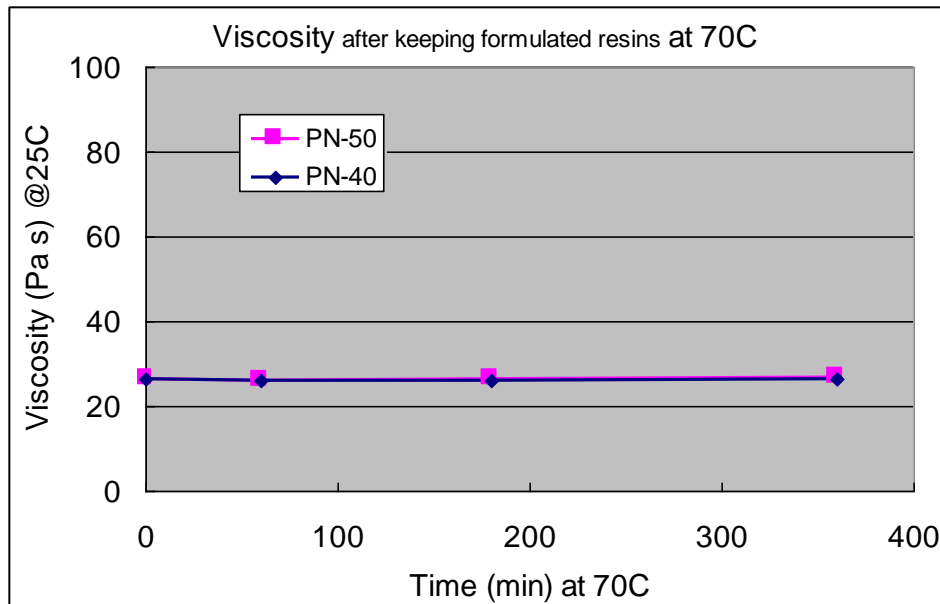
Formulation

Bisphenol A epoxy *	100
DICY-7 **	8
AJICURE PN-50	2.5
Calcium carbonate***	20
Aerosil #200	1

* $ee_w=190$

**DICY-7 Av. Particle size 3 μ m

***#2000 (Sankyo seifun)



Stability at 80 °C (PN-50 as an accelerator for DICY)

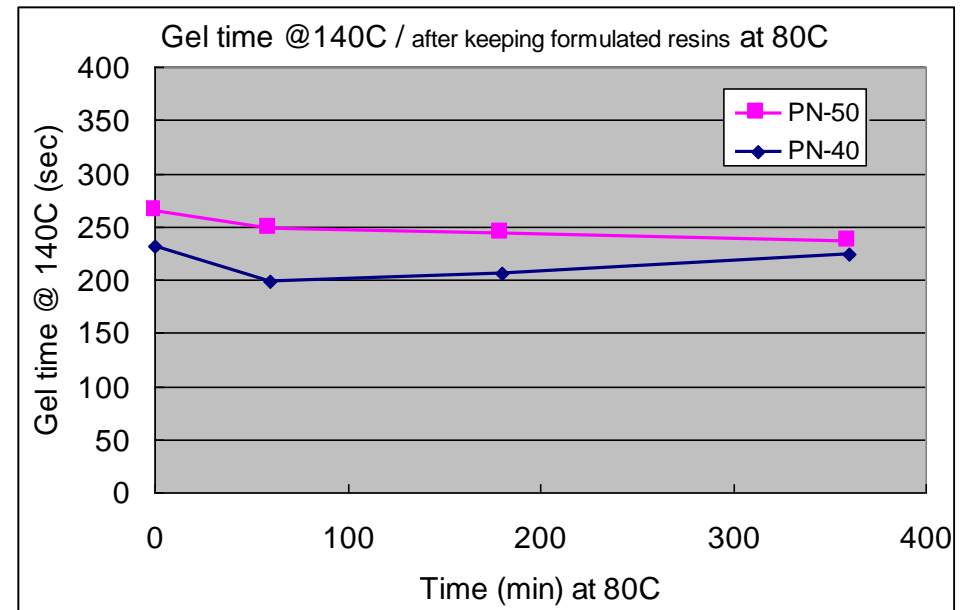
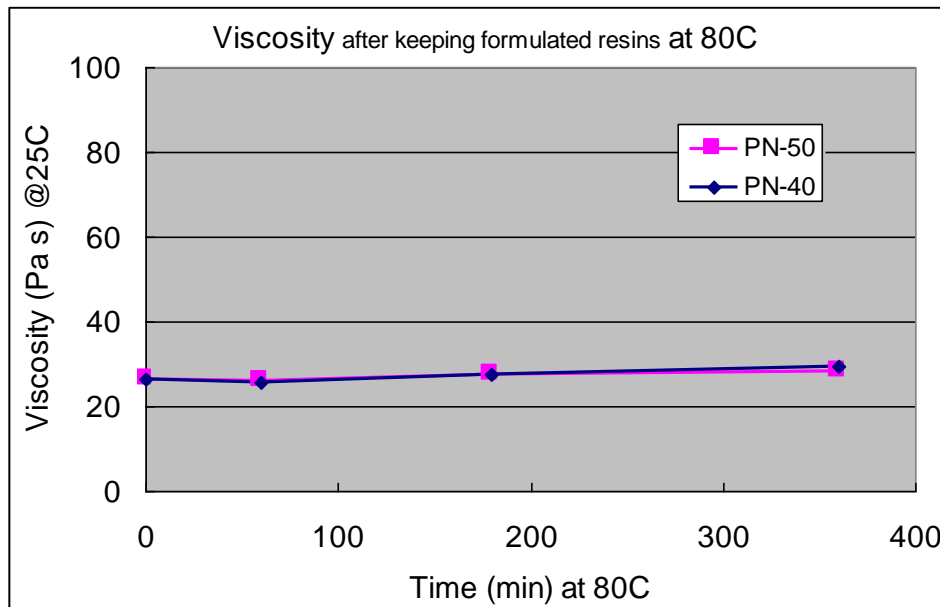
Formulation

Bisphenol A epoxy *	100
DICY-7 **	8
AJICURE PN-50	2.5
Calcium carbonate***	20
Aerosil #200	1

* *ee*w=190

**DICY-7 Av.Particle size 3 μ m

***#2000 (Sankyo seifun)



Stability at 90 °C (PN-50 as an accelerator for DICY)

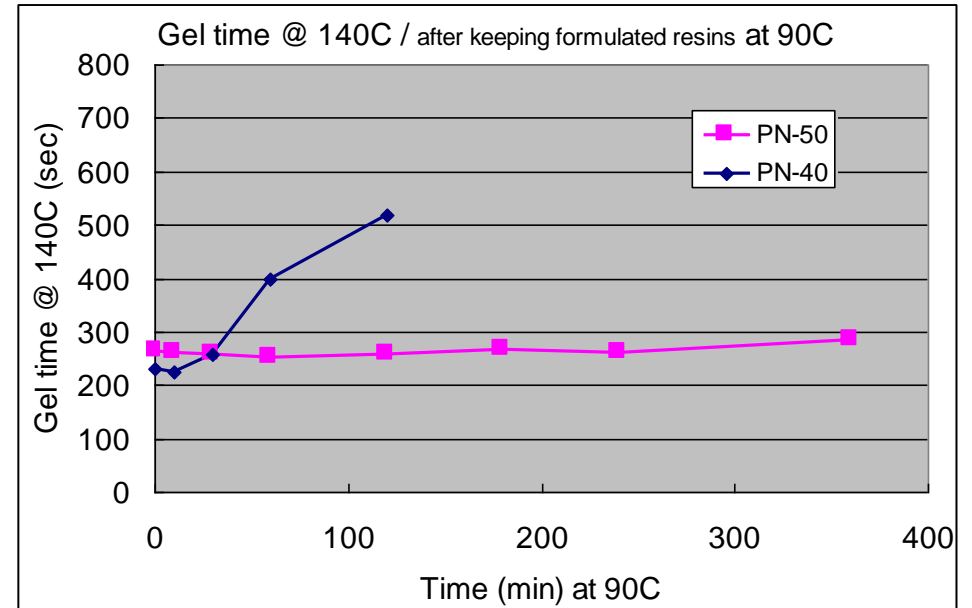
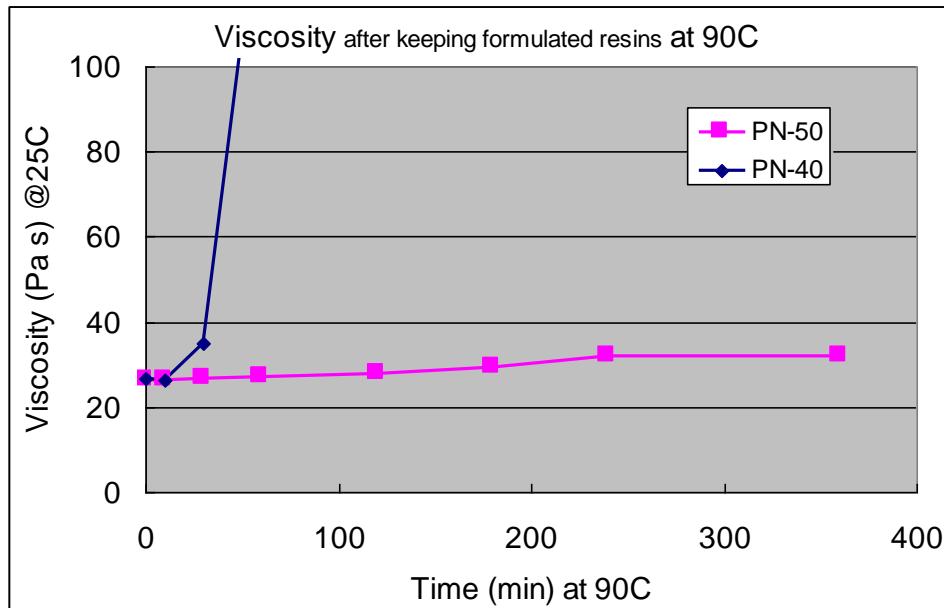
Formulation

Bisphenol A epoxy *	100
DICY-7 **	8
AJICURE PN-50	2.5
Calcium carbonate***	20
Aerosil #200	1

* $ee_w=190$

**DICY-7 Av. Particle size 3 μ m

***#2000 (Sankyo seifun)



Stability at 100 °C (PN-50 as an accelerator for DICY)

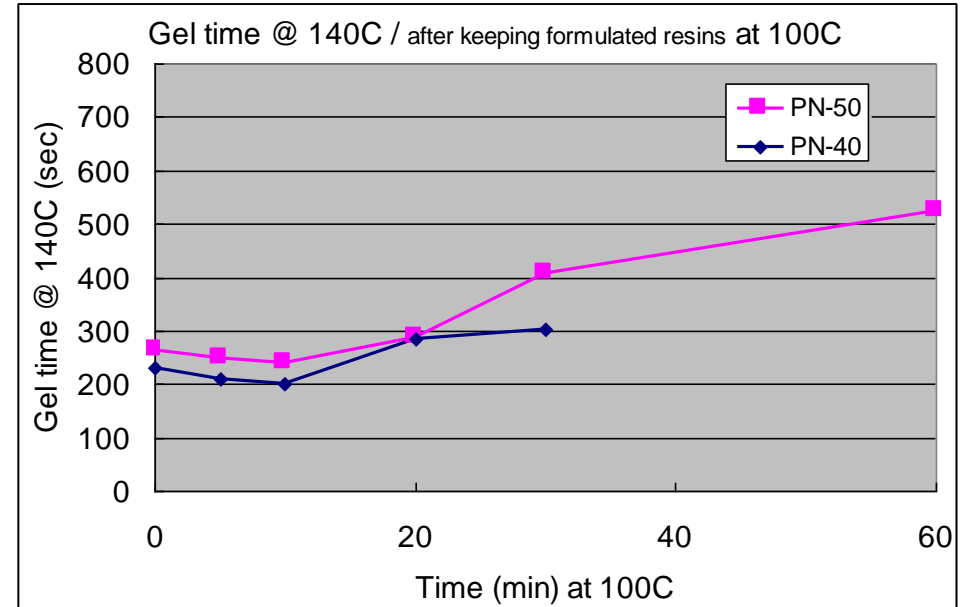
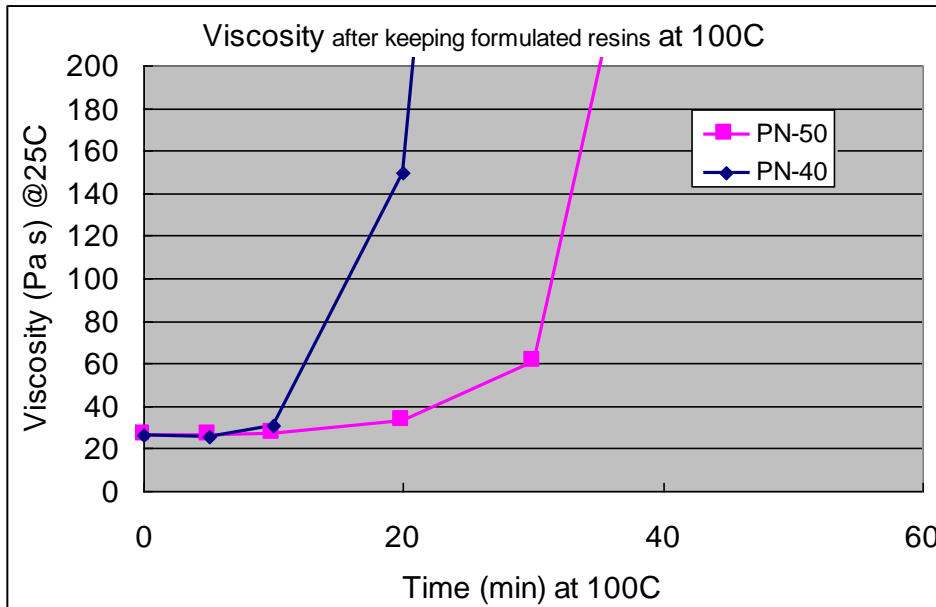
Formulation

Bisphenol A epoxy *	100
DICY-7 **	8
AJICURE PN-50	2.5
Calcium carbonate***	20
Aerosil #200	1

* $ee_w=190$

**DICY-7 Av. Particle size 3 μ m

***#2000 (Sankyo seifun)



Stability at 40 °C (PN-50 as an accelerator for DICY)

Formulation

Bisphenol A epoxy *	100
DICY-7 **	8
AJICURE PN-50	2.5
Calcium carbonate***	20
Aerosil #200	1

* $ee_w=190$

**DICY-7 Av.Particle size 3 μ m

***#2000 (Sankyo seifun)

