SANHO CHEMICAL CO., LTD.
NO. 1, ZHONGSHAN S. RD., LUZHU DIST., KAOHSIUNG CITY, TAIWAN.
TEL：886-7-6962211~3 http：// www.sanho.com.tw
FAX：886-7-6976993 (Sales) E-mail：sanho@sanho.com.tw
FAX：886-7-6961782 (Export) E-mail：sanho@so-net.net.tw

FUJICURE FXR-1090-FA

A latent curing agent containing the lst and the and the 2nd amino group.

1. Typical specification. (not prescribed yet)

Appearance	White powder.
Specific gravity	1.11
Powder particle	5μm
Softening point	118℃

2. Property of the cured product.

Epoxy resin, phr	100	100	100
Aerosil 300	1	1	1
FXR-1090-FA	30	40	60
Cure by DSC, ℃			
Reaction start temp.	72	72	71
Peak temp-(1)	69	96	97
Peak temp-(2)	142	139	131
Peak temp-(3)	157	158	163
Glass transition temp. ℃	41	64	98
Gel time. 100℃	428”	279”	204”
Gel time. 120℃	280”	195”	134”
Gel time. 150℃	162”	127”	101”
Epoxy resin	100	100	100
Aerosil 300	1	1	1
FXR-1090-FA	30	40	60
Storage stability：Viscosity increase.			
The initial viscosity,			
Pa.s	49	80	290
In 7days × 23℃, times.	1.1	1.1	1.3

Remarks：

=Epoxy resin..Liquid, bisphenol-A. (EEW=about 190.)

=Aerosil 300….Anhydride silica particle,by Nippon Aerosil.

=Measured from DSC curve. Heat speed of DSC=10℃/min.

=Heat upto 220℃ under 10℃/min. for curing.

Heat again under 10℃/min. Measure from the DSC curve.

=Glass transition temperature……measure by Gel time stop watch of Yasuda model. Total mass：2g.

=Viscosity increase…..Store the resin mixture in 23℃. Measure viscosity increase in 25℃.

Viscosity increase rate……Listed in time/ multiple.