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**TECHNICAL DATA SHEET
 RF 6002
 MODIFIED NOVOLAC EPOXY RESIN**

Description

RF 6002 is a modified Novolac epoxy resin. It offers improved Tg and chemical resistance versus standard bisphenol A epoxies. RF 6002 has a medium-low viscosity and is suitable for laminating, RTM and filament winding applications. The handling and final cure properties can be adjusted by the choice of curing agent.

Handling Properties, Typical

Property	RF 6002
Mix Ratio: by Weight by Volume	See below
Color	Clear, White to Lt. Yellow
Viscosity @ 77°F (25°C), cps	4000 – 8000
Specific Gravity @ 77°F (25°C)	2.14
Cure Schedule	Various

Physical Properties, Typical Cured Performance

RF 24 Curing Agent

Mix Ratio: 100:35
 Pot Life: 240 minutes

RF 24 is a long pot life cycloaliphatic hardener for high temperature applications. It is an excellent substitute for aromatic hardeners and can generate Tg's in excess of 150°C with post cure.

** Property	Test Method	Unit	Value

** Cure: 2 hours at 82°C plus 2 hours at 121°C

Physical Properties, Typical Cured Performance

RF 32 Curing Agent

Mix Ratio: 100:28
 Pot Life: 180 minutes

RF 32 is a non-staining modified aromatic amine. It gives long pot life coupled with fast cure response and excellent chemical resistance with Tg's comparable to MDA cured resins.

** Property	Test Method	Unit	Value

**** Cure:** 1 hour at 82°C plus 2 hours at 121°C

Physical Properties, Typical Cured Performance

RF 53 Curing Agent

Mix Ratio: 100:80

Pot Life: 6-8 hours

RF 53 is a bi-cyclic anhydride that offers exceptionally long pot life and very high Tg. It requires a suitable accelerator such as RF 22 or RF 80.

** Property	Test Method	Unit	Value

**** Cure:** 1 hour at 105°C plus 2 hours at 180°C

Physical Properties, Typical Cured Performance

RF 35 Curing Agent

Mix Ratio: 100:14

Pot Life: 6-8 hours

RF 35 is a trifunctional polyglycol amine. It offers excellent thermal shock resistance with higher Tg than RF 612.

** Property	Test Method	Unit	Value

**** Cure:** 4 hours at 82°C

SAFETY INFORMATION: See Materials Safety Data Sheet for RF 6002 for proper storage and handling.

Notice to Buyer: Exclusion of Warranties and Limitation of Liability

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