

An Emerald Performance Materials Company

HyPox™ RK84 and HyPox™ RK84L High Molecular Weight DGEBA Modified with a Liquid Rubber

DESCRIPTION

HyPox RK84 and **HyPox RK84L** are adducts of solid diglycidyl ether of Bisphenol A and a liquid rubber. Both products are solid resins, which impart toughness and a degree of flexibility to epoxy formulations. The formulator can expect improvements in impact resistance, peel and tensile shear strengths and low temperature properties with the incorporation of **HyPox RK84** or **HyPox RK84L**.

HyPox RK84L differs from **HyPox RK84** in that it is made to a narrower melt viscosity range.

APPLICATIONS

- Adhesives
- Powder Coatings
- Laminating
- Reinforcements
- Solvent Based Coatings

TYPICAL PROPERTIES

	<u>HyPox RK84</u>	<u>HyPox RK84L</u>
Appearance	Opaque, Clean	Opaque, Clean
Epoxide Equivalent Weight, g/eq	1,200 – 1,800	1,250 – 1,500
Gardner Color, max	Amber	Amber
Weight per Gallon at 25°C, lbs.	9.3 ± 0.1	9.3 ± 0.1
Ring and Ball Softening Point, °C	85 - 105	n.a.
Melt Viscosity @100°C (Mpa-s)	n.a.	300-500

HEALTH & SAFETY PRECAUTIONS

HyPox RK84 and **HyPox RK84L** are not primary skin irritants or sensitizers. However, as with any epoxy material, irritation can result from repeated or prolonged exposure. The symptoms of this irritation may appear as a mild rash. It is, therefore, important to avoid skin contact where possible. Butyl rubber gloves, full eye protection and protective clothing are recommended.

Refer to **CVC Thermoset Specialties** Material Safety Data Sheet on **HyPox RK84** and **HyPox RK84L** for additional safety and health information. The MSDS is revised as new data becomes available.

PACKAGING AND AVAILABILITY

HyPox RK84 and **HyPox RK84L** are available in plastic lined corrugated cardboard boxes (net weight 50 lbs.). Check with your local sales representative for the shipping location nearest you.

STORAGE

In order to prevent sintering of pellets, store **HyPox RK84** and **HyPox RK84L** at temperatures below 75°F.



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