

Razeen® SR 5014

Solid Epoxy Resin



General Razeen® SR 5014 is a solid, unmodified epoxy resin based on Bisphenol A.

Applications Razeen® SR 5014 is a fast reacting, medium melt viscosity solid epoxy resin designed for high performance powder coatings. Depending on the curing agent used like dicyandiamide derivatives, various acid anhydrides or saturated acid terminated polyester resins the most suitable end use applications are:

- Coatings of components used in the chemical industry with high chemical and mechanical resistance.
- Coatings of complicated metal objects, e.g., wire mesh, coil springs, spinning bobbins, steel furniture, radiators, etc.
- Tube and pipe coatings

Properties Coating systems based on Razeen® SR 5014 offer the following typical performances:

- Excellent mechanical and electrical properties
- Good corrosion resistance
- High gloss for decorative applications
- Excellent adhesion
- High filler loadings
- FDA regulated

Specific Key Data	Property	Value	Test method
	Appearance	Clear, no contamination	JCTM-002
	Color, APHA	50 max	ASTM D-1209
	Epoxy value	1.29 – 1.38 eq/Kg	ASTM D-1652
	Weight per epoxide	725 - 775 g/eq	ASTM D-1652
	Viscosity at 25 °C (77 °F)*	500 - 650 mPa.s	ISO 12058-1

Specific key data are individually checked throughout, guaranteed and included in certificate of analysis.

Typical Key Data	Property	Value	Test method
	Melt viscosity at 150°C	3100 - 4700 mPa.s	ASTM D-4440
	Softening point (Mettler)	~ 90 °C	ASTM D-3461
	Density at 25°C	1.19 g/cm ³	ISO 8130
	Flash point	≥ 200°C	ISO 2719

* 40% in butyl carbitol

Typical key data are spot-checked; the values are typical for the product and are indicated for information only. The values are not included in certificate of analysis

As-supplied form	Flakes (5 mm sieve)
Odor	None
Self life (at storage temperature between 2-30°C) (See expiry date on original bag)	6 years
Hazardous decomposition products (when disposed of in fire)	Carbon monoxide, carbon dioxide, nitrogen oxides and other toxic gases and vapors
Disposal	Regular procedures approved by local authorities

Package and Storage Razeen® SR 5014 is supplied in 25Kg bags. This product has a minimum shelf life of 6 years when stored in a dry place at room temperature. If stored under warmer conditions, sintering may occur.

Handling Precautions **Caution! Avoid dusty conditions.**
Use with good ventilation.
Avoid contact with eyes or prolonged contact with skin. Avoid breathing dust.
Store in cool dry area.
Wash after handling.

Please read our Material Safety Data Sheet before using.

First Aid **In case of contact:**

Eyes : Flush eyes with plenty of water for at least 5 minutes.
Skin : Wash skin with plenty of soap and water. Remove contaminated clothing and wash before reuse.
Inhalation : Remove to fresh air, Give oxygen or artificial respiration if necessary.
Ingestion : If conscious, give plenty of water to drink. Call a physician.

Note Razeen® is a registered trademark of JANA or an affiliate thereof.

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