

# Razeen® SR 5004

## Solid, medium molecular weight Epoxy Resin



<b>General</b>	Solid, medium molecular weight epoxy resin based on bisphenol A.
<b>Application</b>	Razeen® SR 5004 is highly suitable for the formulation of powder coatings when cured with accelerated phenolic resins, dicyandiamide derivatives, novolaks, various acid anhydrides or acid polyester hardeners.
<b>Properties</b>	<p><b>Depending on the curing agent used:</b></p> <ul style="list-style-type: none"> <li>• Favorable melt viscosity</li> <li>• Ready pigment ability</li> <li>• Good storage stability</li> <li>• Good flow</li> <li>• High gloss</li> <li>• Very good mechanical properties</li> </ul>

Specific key data	Property	Value	Test method
	Appearance	Clear, no contamination	JCTM 002
	Color, Gardner *	1 Max	ASTM D-1544
	Epoxy value	0.133 - 0.140 eq/100g	ASTM D-1652
	Weight per epoxide	714 - 752 g/eg	ASTM D-1652
	Viscosity @ 25°C (77°F)*	500 - 600 mPa.s	ISO 9371:1990E

\* 40% in butyl carbitol

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

Typical Key Data	Property	Value	Test method
	Softening point	95 - 106 °C	Mettler, DIN 51920
	Melt viscosity at 175°C	750 - 950 mPa.s	ASTM D 4440
	Density at 25°C	1.19 g/cm <sup>3</sup>	ISO 8130
	Flash point	≥ 200 °C	ISO 2719

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)
Odour	None
Shelf life (at storage temperature between 2 – 40 °C) (see expiry date on original container)	Several Years
Hazardous decomposition products (when disposed of in fire)	Carbon monoxide, Carbon dioxide, nitrogen oxides and other toxic gases and vapour
Disposal	Regular procedures approved by local authorities

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**Package & Storage** Razeen<sup>®</sup> SR 5004 is supplied in 25 kg bags. This product should be stored in a dry place, preferably in the sealed original container, at temperatures between 2 °C and 40 °C (temperatures will never be allowed to drop under 0 °C). The product should not be stored exposed to direct sunlight.

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**Handling Precautions** Forced ventilation and dust masks or respirators should be used in order to ensure that operatives do not breath in dust generated by resin, hardener or formulated powder coatings.

Mandatory and recommended industrial hygiene procedures should be followed whenever our products are being handled and processed. For additional information please consult the corresponding product safety data sheets.

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**Note** Razeen<sup>®</sup> is a registered trademark of JANA or an affiliate thereof.

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