

Razeen® SR 5004

Medium molecular weight solid Epoxy Resin



General	Razeen® SR 5004 is a solid medium molecular weight epoxy resin based on Bisphenol A.
Application	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 saturated acid polyester resins.
Properties	Depending on the curing agent used, the formulated coatings yield the following performances: <ul style="list-style-type: none"> • Favorable melt viscosity • Ready pigment ability • Good storage stability • Good flow • High gloss • Very good mechanical properties

Specific key data	Property	Value	Test method
	Appearance	Clear, no contamination	JCTM 002
	Color, Gardner *	1 max	ASTM D-1544
	Epoxy value	1.33 – 1.40 eq/Kg	ASTM D-1652
	Weight per epoxide	714 - 752 g/eq	ASTM D-1652
	Viscosity at 25 °C (77 °F)*	500 - 600 mPa.s	ISO 12058-1

* 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, Mettler	95 - 106 °C	ASTM D-3461
	Density at 25 °C	1.19 g/cm ³	ISO 8130
	Flash point	≥ 200 °C	ISO 2592

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 – 30 °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 vapours
Disposal	Regular procedures approved by local authorities

Package & Storage Razeen® SR 5004 is available in 25 Kg. 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 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 refer our corresponding material safety data sheets.

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

Jubail Chemical Industries Co. (JANA)
P.O Box 10661
Jubail Industrial city 31961
Kingdom of Saudi Arabia
Tel : +966 3 3585002
Fax : +966 3 3585113
Website : www.jana-ksa.net

ISO 9001 : 2000



0010737-1044329

DISCLAIMER:

THE INFORMATION AND RECOMMENDATIONS CONTAINED HEREIN ARE BASED UPON OUR DATA BELIEVED TO BE CORRECT. HOWEVER, SINCE THE CONDITION OF USE ARE BEYOND OUR CONTROL, NO GUARANTEE OR WARRANTY OF ANY KIND OF EXPRESSED OR IMPLIED IS MADE WITH RESPECT TO THE INFORMATION CONTAINED HEREIN.