



RUSTIN RESIN BAHER

راستین رزین باهر

PRODUCT DATA SHEET

RS-2040

➤ Applications:

This resin is especially designed for the manufacturing of **wood and fiber combination indoor furniture , etc.**

➤ Properties:

- Medium viscosity and Medium Reactivity.
- Good filler mixing capacity.
- Good stickiness and softness.
- Hard enough after curing.
- Very good painting ability.
- Stable gel time.

➤ Composition of the Resin:

RS-2040 is Unsaturated Polyester Resin based on **Orthophthalic** acid and standard Glycols, Dissolved in styrene monomer. This resin is especially designed for casting and laminating applications.

➤ Compatibility:

Avoid storing the resin along with Metallic Driers, Peroxides and catalyst in the same area.

➤ Product Data:

PARAMETERS	UNIT	SPECIFICATIONS
Appearance		Clear Transparent Liquid
Color		<1
Viscosity @25 Iv#2, 30 RPM	CPS	350 ± 50
Acid Value	Mg.KOH/gm	15 ± 5
Specific Garvity @25c	Gm/MI	1.12 ± 0.02
Volatile Content	%	35 ± 3
Gel Time @25c 0.2% Cobalt 10% 2% MEKP (active oxygen 9 ± 0.2)	MIN	5 - 7
Peak Exotherm Temperature	C	150-160

- Gel time, Acid value and Viscosity can be adjusted as per customer requirements.
- Product can be pre accelerated as demand.

➤ Safty:

Material Safety Datasheets of the product is available on demand.



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➤ **Storage Conditions:**

RS-2040 should be stored in a cool and dry place away from sunlight and other sources of heat, Preferably below 25c. At higher storage temperatures, The shelf life decreases sharply. Presence of moisture also affects the storage life of the resin leads to turbidity in the resin.

➤ **Stability:**

On storage under above mentioned conditions, the stability for Rs-2040 is 6 months.

➤ **Supply Mode:**

Resin can be supplied in 200, 220 kg drums or in 1050 kg IBCs.

➤ **Food And Drug :**

All resins in this datasheet are manufactured from raw materials that are listed in FDA regulation Title 21 CFR177.2420.

➤ **Mechanical Properties of Clear Cured casting**

PROPERTIES	TEST VALUE	METHOD
Barcol Hardness	>36	ASTM D2583-13
Tensile Strength (Mpa)	>54	ASTM D638-14
Flexural Strength (Mpa)	>75	ASTM D790-17
Elongation at Break %	<4	ASTM D638-14
Heat Distortion Temperature (HDT) ©	>55	ISO75-2:2013
Water Absorption @25 (after 24 hrs.) %	<0.25	ISO62-08

➤ **Disclaimer:**

Although the facts and suggestions in this data sheet are based on our own research and is reported by independent laboratory and are believed to be reliable, We cannot assume any responsibility for performance or results obtained through the use of our product described herein in view of the many factors that may affect processing and application. **RUSTIN RESIN BAHER** does not guarantee duplication of such results by third parties.

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