

# الشركة السعودية للراتجات الصناعية المحدودة Saudi Industrial Resins Limited

س.ت 4030011854 - رقم العضوية 3275 جدة - رأس المال 50.000.000 مليون ريال (مدفوع بالكامل)  
CR 4030011854 CC 3275 Jeddah Capital SR 50 000 000 Fully Paid

## TECHNICAL DATA SHEET

### SIROPOL - 8351

**DESCRIPTION:** SIROPOL-8351 is a medium reactivity, orthophthalic polyester resin dissolved in styrene monomers. It has been especially formulated to provide rapid cure without the characteristic high exotherm normally associated with resins used in filament winding applications.

SIROPOL - 8351 demonstrates good toughness, water resistance and is especially suited for filament winding application.

SIROPOL- 8351 is a non-promoted and no thixotropic resin with good shelf stability at elevated temperatures. Optimum properties are attained when SIROPOL- 8351 is diluted with styrene to 175-225 cps.



VISCOSITY and Gel Time can be adjusted to meet conditions that customers may require.

### TYPICAL\*LIQUID RESIN PROPERTIES (25 °C)

Percent Solids	58 – 61 %
Viscosity - Brookfield, cps spindle 3@ 60 rpm	300-350 cps
Color	< 4 GH
Acid Value(Solids)	14 - 25
Specific Gravity	1.04 ± .02
Pounds per Gallon	9.2
Flash Point Range, °C	33

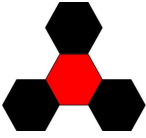
### TYPICAL PERFORMANCE DATA

(For guidance only)

### TYPICAL CURING CHARACTERISTICS:

Resin= 100 g (Cup method)

Cobalt 6 %	Butanox M60	Temperature °C	Gel Time minutes	Peak Exothermic
0.25 %	1.5 %	25 °C	8 – 14 min	340 - 360 °F



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**TECHNICAL DATA SHEET**

**SIROPOL – 8351**

(Continued)

**TYPICAL PHYSICAL PROPERTIES OF CURED CASTINGS (25 °C):**

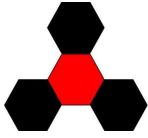
Property	Value	Units	Test Method
Barcol hardness	>40	-	ASTM D 2583
Tensile Strength	>70	Mpa	ASTM D 638
Tensile Modulus	>3500	Mpa	ASTM D 638
Tensile Elongation	>3.0	%	ASTM D 638
Flexural Strength	>120	Mpa	ASTM D 790
Flexural Modulus	>3600	Mpa	ASTM D 790
Heat Distortion Temperature	>75	°C	ASTM D 648
Water Absorption, 24 hrs	0.20	%	ISO 62-1958



\*\* Based upon 3mm unreinforced castings cured with 1% of 1% cobalt and 1% MEKP (active oxygen of 9%)

**STANDARD PACKAGE:** 30- Ton tank truck, 220 Kgs Standard Steel Drums

**DOT LABEL REQUIRED:** Flammable Liquid



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### SIROPOL – 8351

(Continued)

**HANDLING:** SIROPOL-8351 contains ingredients, which could be harmful if mishandled. Contact with skin and eyes should be avoided and necessary protective equipment and clothing should be worn.

**Saudi Industrial Resins Ltd.**, maintains Material Safety Data Sheets on all of its products. Material Safety Data Sheets contain health and safety information for your development of appropriate product handling procedures to protect your employees and customers.

**Our MSDS** should be read and understood by all of your supervisory personnel and employees before using SIR's products in your facilities.

#### RECOMMENDED STORAGE:

**DRUMS:-** Store at temperatures below 25°C. Storage life decreases with increasing storage temperature. Avoid exposure to heat sources, such as direct sunlight or steam pipes. Keep containers sealed to prevent moisture pickup and monomer loss. Rotate stock.

**BULK:** - Store in stainless steel tanks or tanks lined with epoxy or phenolic coatings. Observe precautions against heat and moisture (see above). An oxygen or dry air spurge may be desirable to keep inhibitors activated. Store at temperature below 25 °C.

**COMMERICAL WARRANTY:** When stored in accordance with the above conditions, Saudi Industrial Resins warrants this product to remain within specifications for three months from the date of shipment. All things being equal, higher temperature will reduce product stability; lower storage temperature will extend product stability

Notice: S.I.R. makes no warranty or representation as to the suitability of the product as specified herein for any particular application. The determination of the suitability of the above specification for any particular use is solely the responsibility of the user.

All precautionary labels and notices should be ready and understood by all supervisory personnel and employees before using. Consult S.I.R. and OSHA regulations for additional safety and health information. Purchaser is responsible for complying with all applicable federal, state or local laws and regulations covering use of the product. Special attention should be given to consumer applications. Freedom to use any patent owned by S.I.R. or others is not to be inferred from any statement contained herein.