

الشركة السعودية للراتنجات 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 AI2-LV

DESCRIPTION: SIROPOL AI2-LV is a low-reactive unsaturated polyester resin of low viscosity. The chemical base of this grade is THPA acid/standard glycol. It is compatible with general-purpose orthophthalic resins.

SIROPOL AI2-LV is equivalent of the 1100 grade acc, to DIN 16946.

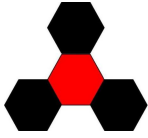
FIELD OF APPLICATION: SIROPOL AI2-LV is a liner-resin for waste water pipes. The resin is very good suitable for flexibilisation of rigid resins to improve toughness and impact strength.

TYPICAL*LIQUID RESIN PROPERTIES (25 °C)

Analysis	Plant Target	DIN Method
Acid Value	10.0 – 15.0	DIN 53402 or DS-09-119
Color max, Hazen	< 140	DIN 6271 or DS-09-056
Hoppler Viscosity @ 23 °C mPas	550 - 650	DIN 53015
Viscosity @ 23 °C, mPas	300 – 500	DIN 53019/1
Percent Solids	60 – 70 %	DIN 16945
Reactivity @ 20°C 20-24°C, 20°C – TMAX, min TMAX, °C	<u>8.0 - 18.0</u> 45.0 - 65.0 <u>40 - 80</u>	DIN 16945

MECHANICAL PROPERTIES (CAST RESIN)

Property	Units	Value	Test Method
Tensile strength	N/mm ²	8 -13	DIN 53455
Elongation at break	%	> 100	DIN 53455
Glass – transition - temperature	°C	45 - 50	DIN 53445



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TECHNICAL DATA SHEET

SIROPOL AI2-LV

(Continued)

HANDLING: SIROPOL AI2-LV resin 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.