

SWANCOR RH513-P is a tough, thixotropic, pre-accelerated, recyclable radical-cured resin with high performance. It is designed for opened mould applications, including hand lay-up and spray-up with suitable reinforcements at room temperature. Composite material produced by Swancor RH513-P could be degraded by CleaVER with suggested process in high efficiency.

Typical properties of liquid resins

Appearance	Cloudy amber liquid
Solid content	51-55 %
Viscosity* ¹	350-550 cps
TI* ²	2.5-3.5
Specific Gravity	1.06-1.08
Gel time* ²	30-50 min
Shelf Life (months)	2(25°C)

*¹LVT#63-60rpm , 25°C

*²LVT#63-6rpm/60rpm , 25°C

*³M-402 : 1.5% , 25°C

Typical clear casting properties of cured resin(3.2mm)*⁴

Tensile Strength	70-90 MPa	ASTM D 638
Tensile Modulus	3.2-3.8 GPa	ASTM D 638
Tensile Elongation	3.0-7.0 %	ASTM D 638
Flexural Strength	130-160 MPa	ASTM D 790
Flexural Modulus	3.2-4.0 GPa	ASTM D 790

The data presented herein are believed to be accurate and reliable. We require customers to inspect and test our product before use and to satisfy themselves as to contents and suitability for their specific applications. Information herein is to assist customers in determining whether our products are suitable for their applications but not to be taken as a guarantee, express warranty or implied warranty of merchantability or fitness for particular purpose, nor is any protection from any law or patent to be inferred. All patent rights are reserved. The exclusive remedy for all proven claims is limited to replacement of our material and in no event shall we be liable for special, incidental or consequential damages.

SWANCOR RH513-P

Radical-cured Resin



上緯綠金能股份有限公司
SWANCOR REGENER CO., LTD.

HDT(°C)	95-105	ASTM D 648
Barcol Hardness	35-45	ASTM D 2583

*4 Cured condition: 24 hours at room temperature then 2 hours at 105°C; Typical values: Based on material tested in laboratories, but variable from sample to sample. Typical values should not be constructed as guaranteed analysis of any specific lot or as specification items.

Notice in use

1. The gel time of SWANCOR RH513-P is affected primarily by catalyst concentration and temperature. The variations of cure characteristics may be caused by the variations of catalyst, humidity, pigment, fillers and other additives. It is recommended that the fabricators check the cure characteristics with a small quantity resin before proceeding for bulk production.
2. SWANCOR RH513-P is a potentially reactive chemical. Please store in dark and keep away from heat and direct sunshine.
3. Containers, not completely emptied must be closed immediately after use.

Resin Storage

Keep away from ignition source; flame, pilot light, electrical sparks, and sparking tools. Do not store in direct sunlight. NO SMOKING. Do not store in direct sunlight. Store separate from oxidizing materials, peroxides, and metal salts. Keep container closed when not in use. To ensure maximum stability and maintain optimum resin properties, resins should be stored in closed containers at temperature below 25°C. Copper or copper containing alloys should be avoided as containers.

Package

Standard packing is 200 Kg steel drum.

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Swancor Regener Co., Ltd.

No. 11, Gongye S. 6th Rd., Nantou City, Nantou County
540028, Taiwan

Tel: +886 49 225 5420 Fax: +886 49 225 1534

Regener@swancor.com

www.swancor.com