SWANCOR 907-S

SWANCOR 907-S is a high-performance phenolic epoxy ethylene ethyl ester resin. It has excellent high temperature and corrosion resistance and oxidation media corrosion characteristics. It is widely recommended to be used in oxidized media and wet chlorine places, such as pulp, chlorine, smelting, smelting, smelting, smelting, smelting ,acid wash and other industrial and mining industries. It also has superior organic solvents.

SWANCOR 907-SP is SWANCOR 907-S pre-accelerated product.

Item	SWANCOR 907-S	SWANCOR 907-SP
Appearance	Yellow transparent liquid	Purple transparent liquid
Solid content	67±1%	---
Viscosity	335±65cps	335±65cps
Comparison	1.06±0.02（25℃)	1.06±0.02（25℃)
Glue time	20±5min*2	20±5min*3
Preservation period	6个月(under 25℃)	3个月(under 25℃)

*1 LVT#3-60rpm，25℃

*2 55%MEKP：1.2%，6%Cobalt：0.4%，100%DMA：0.05%，25℃

*3 7℃ 55%MEKP：3%；15℃ 55%MEKP：1.5%；23℃/30℃ 55%MEKP：1.2%

Typical mechanical properties of 4mm clear casting *4

Tensile Strength：	76-90MPa	ISO 527-2 \ GB/T 2567
Tensile Modulus：	3.4-3.7GPa	ISO 527-2 \ GB/T 2567
Tensile Elongation ：	2.5-4.0%	ISO 527-2 \ GB/T 2567
Flexural Strength：	124-145MPa	ISO 178 \ GB/T 2567
Flexural Modulus：	3.7-4.1GPa	ISO 178 \ GB/T 2567
Heat Distortion Temperature*5：	147-153℃	ISO 75\ GB/T 1634
Barcol Hardness：	40-46	GB/T 3854

1. MEKP/CoOct

Temperatures	Chemical	10~20 mins	20~40 mins	40~60 mins
MEKP				
5~10℃	MEKP	3.00%	2.80%	2.80%
	SW1305	2.00%	1.20%	1.00%
10~20℃	MEKP	1.80%	1.80%	1.80%
	SW1305	2.00%	1.80%	1.50%
20~28℃	MEKP	1.20%	1.20%	1.20%
	SW1305	2.00%	1.50%	1.20%
28℃以上	MEKP	1.20%	1.20%	1.20%
	SW1305	1.50%	1.20%	1.00%
Notice	Resin gel time is related to the use ratio of resin, curing agents, and promoters, the construction environment, and construction technology. The above data is for reference only. If you need to accurately glue time, please refer to the on -site small cup experiment. MEKP in the table: peroxy Merromyonone; SWANCOR 1305 is equivalent to a concentration of 1.6%cobalt.			

2. BPO/DMA

The environmental temperature of the construction outdoor is low, and this curing system is used under the conditions of humid environment.

Temperatures	Chemical	10~20 mins	20~40 mins	40~60 mins
Cured by BPO/DMA System (concentration: BPO: 98%, DMA: 100%)				
20℃	BPO	1.40%	1.40%	1.40%
	DMA	0.18%	0.15%	0.10%
25℃	BPO	1.00%	1.00%	1.00%
	DMA	0.15%	0.12%	0.08%
30℃	BPO	0.80%	0.80%	0.80%
	DMA	0.15%	0.09%	0.06%
35℃	BPO	0.70%	0.70%	0.70%
	DMA	0.12%	0.08%	0.04%

3. CHP sclerosis/COOCT.

To reduce the inspiration temperature and reduce air bubbles, it is advisable to use a CHP sclerosis/COOCT system hardening.

Packaging, storage and operation

1. SWANCOR 907-S is installed with 55 gallon iron barrels, a net weight of 200 kg or 5 gallon iron barrels per barrel, and a net weight of 20kg per barrel.

2. Please store it in a cool place and avoid direct sunlight.

Other instructions

1. SWANCOR 907-S is a one-reactive resin. It should be placed in a cool place when storing. If it is stored for too long, you can open the bucket lid and enter the air to extend its storage time.

2. The collagen time of SWANCOR 907-S is mainly due to weather, temperature, hardening agent content, promoter content, and adding

The influence of things, before changing the operating formula, should try its glue time in a small amount to facilitate processing.

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