

SHCP 2719L-CM

Singapore Highpolymer
Chemical Products Pte Ltd



General Description

SHCP 2719L-CM is a quick curing unsaturated polyester resin for making decorative panels and roofing sheets. It is waxed and pre-accelerated .

SHCP 2719L-CM is clear and transparent. It possess low shrinkage and is ideal for making a variety of casting corrugated plain or translucent sheets for uses in roofing. The applications are for green houses, poultry houses, swimming pools patios, porches, gymnasiums, car ports, corridors, roofing and skylighting for factories and warehouses.

The use of 2719L-CM/ UV is highly recommended due to it's good weathering and ultra violet resistance.

Specifications

Liquid SHCP 2719L-CM polyester resin has the following characteristics:

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| • Appearance | Clear |
| • Viscosity at 30°C | 3 - 5 poise |
| • Gel Time at 30°C | 4 – 7 mins |
| • Cure Time at 30°C | 15 – 25 mins |
| • Peak Exothermic Temperature | 110 – 120°C |
| • Stability in the Dark below 25°C | 6 months |

Above gelation characteristics determined using 1% v/w of MEKP catalyst (Butanox M-50) on 20g of resin.

Usage

SHCP 2719L-CM performs best when it is completely cured. To do so, a proper combination of catalyst and accelerator must be used at room temperature for a sufficient period of time. Generally, 1 percent of catalyst (BUTONOX M-50 MEKP) is used.

Adjustments for shorter or longer geltime can be achieved by ranging the quantities of catalyst and/or accelerator used. As a rule, however, the amount of catalyst used should not be more than 2% or less than 0.5% while that of accelerator should range between 0.4% and 1%. Be sure to measure accurately. When used with filler, depend on the percentage of filler being added the amount of catalyst will need to be adjusted accordingly for the desired geltime.



Ensure that the accelerator must be completely mixed into the resin before catalyst is added in order to avoid a direct blending which due to a violent reaction may result in an **EXPLOSION**.

Since the viscosity increased as the storage period of resin lengthens, Styrene Monomer can be added to lower it to a desired level.

However owing to difficulties in presenting information applicable to all situations, no warranty is expressed or implied and users are recommended to carry out their own tests to determine the applicability of the above information and the suitability of SHCP resin for their particular requirements.

Storage

SHCP polyester resin will remain stable if stored in the dark and at temperatures below 25°C. Their stability however deteriorates markedly at higher temperatures, especially when they are directly exposed to sunlight. Hence they should be kept in a cool, dark place.

Packing

SHCP polyester resin is packed in steel drums of standard size, containing in net weight.

Enquiries

SHCP is specialized in manufacture of different types of unsaturated polyester resin for a wide range of applications. It can make in accordance with customers' specifications to meet their needs. Technical services are also provided to its customers. For any inquiries, please contact us.

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