

TECHNICAL DATA SHEET

TRICURE RESIN WHITE 11K511A

PRODUCT IDENTIFIER

Product Name:	TriCure Resin White 11K511A 1577438 Rev.0
Revision Date:	17-JUL-2025

PRODUCT DESCRIPTION

TriCure Resin White 11K511A is thixotropic, accelerated, medium reactive, low viscosity, low styrene emission orthophthalic unsaturated polyester resin. It is unfilled and white colored. TriCure Resin White 11K511A has a very high filling capacity, it can be filled with up to 60% filler. TriCure Resin White 11K511A, prevents resin flow on vertical and horizontal surfaces with its thixotropic property. TriCure Resin White 11K511A gives excellent adhesion to acrylic sheet. TriCure Resin White 11K511A is suitable for manufacturing of shower trays, bathtubs and hot tubs as support for Acrylic sheets. TP1301 is designed generally for spray-up applications. Otherwise, it can be used in hand layup applications also.

BASIC RESIN PROPERTIES

PROPERTIES	
Acid	Orthophthalic
Glycol	Standard Glycol
Cobalt	Contains
Reactivity	Medium

PROPERTIES OF LIQUID FORM

TEST	METHOD	TYPICAL VALUES
Colour	ISO 2211	White
Density at 20°C	ISO 1675	1,10 ± 0,05 gr/cm ³
Acid Value	ISO 2114	<25 mg KOH/gr
Viscosity Brookfield*	ISO 2555	450 - 650 cp
Gel Time**	ISO 2535	14'00-20'00
Peak Time**	ISO 2535	27'00-40'00
Peak Temperatures	ISO 2535	150°-160°
Monomer Content	ISO 3251	%37-%39

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Shelf Life(In Dark) 25°C	-	4 Months
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*It is measured at 23°C, 50 rpm with spindle 2.

**It is measured at 23°C , with addition of 1,50% Mek Peroxide(Butanox M50).

Air temperature and the percentage of Mek Peroxide to be added are effective on gel time and cure time. It is recommended to use more Mek Peroxide in winter season; compared to the summer season.

MECHANICAL PROPERTIES OF NON REINFORCED RESIN

TEST	METHOD	STANDARD VALUE
Tensile Strength	ISO 527	± %10 70 MPa
Elongation at Break	ISO 527	± %10 %2,70
Tensile Modulus	ISO 527	± %10 3000 Mpa
Flexural Strength	ISO 178	± %10 Min. 120 Mpa
Flexural Modulus	ISO 178	± %10 Min. 3400 Mpa
Barcol Hardness	ASTM D2583	± %10 42
HDT	ISO 75	± %10 70°

*The cured resin is post-cured before testing mechanical properties.

STORAGE & HANDLING

Resin and its derivatives should be stored under 23°C in a dark and dry environment, without opening the original packaging, in order to ensure maximum stability and to preserve the optimum properties of the product. If the resin temperature drops below 18°C in cold weather conditions, it should be heated to at least 18°C before use. Compliance with local and national regulations must be ensured when storing and handling flammable liquids. Depending on the storage temperature, changes in the properties of the resin and its derivatives can be observed. The shelf life of the product is reduced at high temperatures. In addition, since the product contains styrene monomer, its shelf life is shortened if it is exposed to direct sunlight. Product; It should be stored away from flames, sparks and spark-producing devices, do not smoke. Avoid contact with food. Store away from oxidizing substances, peroxides and metal salts. Make sure that the necessary personal protective equipment is used during use. Do not dump product waste. Be sure to dispose of waste according to local and national regulations.

HEALTH & SAFETY

Please see separate Material Safety Data Sheet. A material safety data sheet (MSDS) for the product is available on request.



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