

TECHNICAL DATA SHEET

RESIN TRICURE 11K512

PRODUCT IDENTIFIER

Product Name:	Resin TriCure 11K512 1517812 Rev.1
Revision Date:	17-DEC-2025

PRODUCT DESCRIPTION

Resin TriCure 11K512 is a thixotropic, preaccelerated, low reactive, medium viscosity orthophthalic unsaturated an low styrene emission polyester resin. It is specially designed for noncritical applications. Resin TriCure 11K512 is suitable for handlay-up and spray-up applications.

BASIC RESIN PROPERTIES

Acid	Orthophthalic
Glycol	Standard Glycol
Cobalt	Contains
Reactivity	Low

PROPERTIES OF LIQUID FORM

TEST	METHOD	STANDARD VALUE
Colour	-	Blue-Violet colored, hazy
Density	ISO 1675	1,09-1,11 gr/cm ³
Acid Value	ISO 2114	<24 mg KOH/gr
Viscosity Brookfield*	ISO 2555	1200 - 1400 cps
Viscosity Brookfield**	ISO 2555	500-700 cps
Thixotropy	-	-
Gel Time**	ISO 2535	10'00-20'00
Monomer Content	ISO 3251	%32-%38
Shelf Life(In Dark)25°C	-	4 Months

*It is measured at 23°C, 10 rpm with spindle 2.

*It is measured at 23°C, 50 rpm with spindle 4.

**It is measured at 23°C, with 1,00% Mek-P(Butanox M60).

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.

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MECHANICAL PROPERTIES OF NON REINFORCED RESIN

TEST	METHOD	STANDARD VALUE	
Tensile Strength	ISO 527	Min.	55 MPa
Elongation at Break	ISO 527	Min.	%2,70
Tensile Modulus	ISO 527	Min.	2800 Mpa
Flexural Strength	ISO 178	Min.	100 Mpa
Flexural Modulus	ISO 178	Min.	2900 Mpa
Barcol Hardness	ASTM D2583	Min.	40
HDT	ISO 75	Min.	60°C

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

STORAGE AND 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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