

**NEOTECH COMPOSITE CO., LTD.****บริษัท นีโอเทค คอมโพสิต จำกัด**

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**Polyester Resin****GENERAL PROPERTIES**

High reactivity low viscous pre-accelerated thixotropic unsaturated polyester resin dissolved in styrene.

**SPECIAL PROPERTIES AND USE**

**Polester 7932PT** is a high reactive unsaturated polyester resin exhibiting good hardness, toughness, and impact resistance. The thixotropy of **Polester 7932PT** will give anti-sag when it is applied on vertical or leaned surfaces.

**APPLICATIONS**

**Polester 7932PT** is a general purposes unsaturated polyester resin developed for fiber glass reinforce plastic (FRP) products such as containers, cooling tower, septic-tank, pipe, etc., for applying by hand lay-up and pray molding.

**PACKING AND STORAGE**

Steel drum, net weights 230 kg.

**CHARACTERISTICS**

Appearance	pink, cloudy liquid
Viscosity (cPs) (at 25°C.)	200 - 400
Non-volatile (%)	56 - 58
Gel time (Min.) (1.0% MEKP-50, 25°C)	20 - 25
Density (g/cm <sup>3</sup> ) (at 25°C)	1.1
Flash Point (°C) (DIN 53213)	34

**STORAGE STABILITY**

**Polester 7932PT** must be kept away from sources of ignition and heat and not in direct sunlight. It is recommended the storage temperature should not exceed 25°C.

At 25°C (no access of air and light) storage stability is more than 6 months.

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*The information given herein and otherwise supplied to users is based on our general experience and, where applicable, on the results of test on samples of typical manufacture. However, because of the many factors which are outside knowledge and control, which can effect the use of these products, users may rely on their own judgment and we cannot accept liability for any injury, loss or damage resulting from reliance upon such information.*

**PHYSICAL PROPERTIES** of cured **Polester 7932PT**

<u>PROPERTY</u>	<u>VALUE</u>	<u>UNIT</u>	<u>TEST METHOD</u>
Specific gravity, 25°C	1.12	g/cm <sup>3</sup>	DIN 53479
Barcol Hardness	48	-	J-934-1
Elongation	2.3	%	DIN 53455
Flexural strength	85	N/mm <sup>2</sup>	DIN 53452
Tensile strength	54	N/mm <sup>2</sup>	DIN 53455
Impact strength	4.0	kpcm/cm <sup>2</sup>	DIN 53453
Water absorption	0.2	%	Dipping, 7-day at 20°C

**THERMAL PROPERTIES** of cured **Polester 7932PT**

Thermal conductivity	0.15	kcal/m h °C	DIN 52612
Heat distortion temperature	65	°C	ASTM D 648-45T

**MECHANICAL PROPERTIES** of **Polester 7932PT** fiber glass laminate, with 30% chopped strand mat

<u>PROPERTY</u>	<u>VALUE</u>	<u>UNIT</u>	<u>TEST METHOD</u>
Tensile strength	50	N/mm <sup>2</sup>	DIN 53455
Flexural strength	120	N/mm <sup>2</sup>	DIN 53452
Impact strength	40	kpcm/cm <sup>2</sup>	DIN 53453

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