

# **TECHNICAL DATA SHEET**

septictank, pipe, etc., for applying by hand

lay-up and spray molding.

PACKING AND STORAGE

Steel drum, net weights 230 kg.

# POLESTER 7314 PT

Pre-accelerated Thixotropic Unsaturated Polyester Resin

SPECIAL PROPERTIES AND USE	SPECIFICATION	
High reactivity, low viscous pre-accelerated, thixotropic, non-wax type unsaturated polyester	Appearance	Pink, cloudy liquid
resin dissolved in styrene.	Acid Value ( as mg. KOH/1g. Resin )	12 - 26
<b>GENERAL PROPERTIES</b> <b>Polester 7314 PT</b> is a high reactive unsaturated polyester resin exhebiting good	Viscosity ( mPa.s ) ( Brookfield, LVT, 25° C )	300 - 600
hardness, toughness, and impact resistance The thixotropic of <b>Polester 7314 PT</b> will	Non-volatile (%)	55 - 57
give anti-sag when it is applied on vertical or leaned surfaces.	Gel time ( Min.) ( 2%MEKPO-50, 25° C )	7.30 - 12.30
APPLICATIONS Polester 7314PT is a general purpose unsaturated polyester resin developed for fiber glass reforce plastic (FRP) products such as containers, cooling tower,	Thixotropic Index (at 25° C)	1.5 - 3.0
	Flash Point ( ° C ) ( DIN 53213 )	34

#### STORAGE STABILITY

**Polester 7314 PT** must be kept away from sources of ignition and heat and not in direct sunlight. It is recommended the storage temperature should not excess 25°C

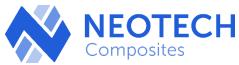
At 25°C (no access of air and light) storage stability is more than 6 months.

Ref: T-S-DT015

Revision: 01

Issue Date : April 09, 2015

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 judgement and we cannot accept liability for any injury, loss or damage resulting from reliance upon such information



### PHYSICAL PROPERTIES of cured Polester 7314 PT

PROPERTY	VALUE	UNIT	TEST METHOD
Specific gravity, 25°C	1.12	g/cm <sup>3</sup>	ASTM-D-792
Barcol Hardness	40	-	J-934-1
Elongation	3	%	ASTM-D-638
Flexural strength	12	kgf./mm <sup>2</sup>	ASTM-D-790
Flexural modulus	260	kgf./mm <sup>2</sup>	ASTM-D-790
Tensile strength	6	kgf./mm <sup>2</sup>	ASTM-D-638
Tensile modulus	218	kgf./mm <sup>2</sup>	ASTM-D-638
Compressive strength	13.5	kgf./mm <sup>2</sup>	ASTM-D-695
Water absorbtion (24 hrs.)	0.14	%	ASTM-D-570

## MECHANICAL PROPERTIES of Polester 7314 PT fiber glass laminate, with 30% chopped strand mat

PROPERTY	VALUE	UNIT	TEST METHOD
Barcol Hardness	54	-	J-934-1
Elongation	2.5	%	ASTM-D-638
Flexural strength	24	kgf./mm <sup>2</sup>	ASTM-D-790
Flexural modulus	710	kgf./mm <sup>2</sup>	ASTM-D-790
Tensile strength	12.5	kgf./mm <sup>2</sup>	ASTM-D-638
Tensile modulus	440	kgf./mm <sup>2</sup>	ASTM-D-638
Water absorbtion (24 hrs.)	0.16	%	ASTM-D-570

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