

NEOTECH COMPOSITE CO., LTD.

บริษัท นีโอเทค คอมโพสิต จำกัด

139 Soi Pharyasuren 30, Bangchan, Klongsamwa, Bangkok 10510

139 ซอยพระยาสุเรนทร์ 30 แขวงบางชัน เขตคลองสามวา กรุงเทพฯ 10510 โทร. 02-5174955-6 แฟกซ์. 02-5174957

ER-2117PT-3

Polyester Resin For Making F.R.P. Product

DESCRIPTION

ER-2117PT-3..a low viscosity, prepromoted, thixotropic, resilient polyester containing no wax for surface dryness.

SUGGESTED USES

F.R.P. laminating for large parts requiring multiple layers or long fabrication time by hand lay-up method : finishing boat, yacht, silo top etc. which suitable for tropical climate.

PERFORMANCE

Offers high impact strength
Cured with slightly tacky surface
Exhibit rapid barcol development
Offers superior wet-out

RECOMMENDED STORAGE

Typical storage life at temperature below 25°C is four months, when stored in opaque, sealed containers at 25°C. Storage life decrease with increasing temperature. Avoid exposure to heat source such as direct sunlight or steam pipe. Keep containers to prevent moisture pick-up and monomer loss. Rotate stock to ensure use within three months.

SPECIFICATION

Properties	Specification	Unit	Reference Standard
Appearance	Brownish turbid liquid	-	TU-TM-02-001
Non-volatile content	55-60	%	ASTM D 1644
Viscosity (LVT, SpindleNo.2, 60rpm, 25°C)	300-400	cps.	ASTM D 2196
Thixotropic index	1.5 min		TU-TM-02-012
Gel Time (MEKPO=1.0%, 25°C)	20-25	min	TU-TM-02-011

Please note: viscosity and reactivity may change slightly after longer storage times

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TYPICAL PERFORMANCE DATA (for guidance only)

Typical Gel time Data :

From Temperature Cure at 25°C, ER-2117PT-3 = 50 g, MEKPO=1.0%

Gel time, min	25
Gel to peak exotherm, min	30
Total time to peak exotherm, min	35
Peak exotherm temperature, °C	115

Typical properties of Cured Casting:

Properties		Unit	Reference Standard
Barcol hardness	42	-	ASTM D 2583
Tensile strength	66	N/mm ²	ISO 527
Elongation	3.8	%	ISO 527
Flexural strength	115	N/mm ²	ISO 178
Modulus of elasticity	3,620	N/mm ²	ISO 178
Heat Distortion temp.	85	°C	ASTM D 648

PACKING

230 kgs iron drum