



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.

PERFORMANCE

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

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.

RECOMMENDED STORAGE

Typical storage life at temperature below 25oC is four months, when stored in opaque, sealed containers at 25oC. 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



TYPICAL PERFORMANCE DATA (for guidance only)

Typical Gel time Data :

From Temperature Cure at 25oC, 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