

POLYPLEX 6487

Introduction

Polyplex 6487 is an orthophthalic acid based waxed, thixotropic, pre-promoted unsaturated polyester resin, which exhibits very low styrene emission, excellent interlaminar bonding, and fast glass wet out to give high clarity laminates which combined with its controlled exotherm makes this resin ideal for building thick laminates.

Formulation

Polyplex 6487 should be cured with between 1% and 2% of a medium reactivity grade of MEKP.

The following table shows typical gel times obtained with varying catalyst content and temperatures.

	Gel Time (minutes)		
MEKP Catalyst	1.0%	1.5%	2.0%
Temperatures	70	58	48
15°C			
20°C	55	46	38
25°C	45	37	30

Typical Liquid Resin Properties

Test methods as in BS 3532:1962.

Viscosity @ 25°C	5 poise (thixotropic)
Gel Time @ 25°C (1% MEKP)	40 mins
Volatile Content	45%
Styrene Loss (uncatalysed resin) after 30 mins @ 25°C	10g/sqm
Appearance	Blue/cloudy
Stability in Dark @ 20°C	6 months

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- the company gives no warranty as to the suitability of the product for a particular purpose and the buyer must satisfy itself as to the product's suitability for its purposes.

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Storage

Polyplex 6487 is subject to the Dangerous Goods Act 1974 (and as amended), it has a classification of 3b since it has a flash point of 31°C (T.O.C).

Liquid **Polyplex 6487** is flammable and must be kept away from naked flames.

Safe handling information for this material is contained in the Material Safety Data Sheet.

Caution

Polyplex 6487 should be stored below 25°C in the closed containers in which it is supplied.

Packaging

Polyplex 6487 is supplied in 225 Kg steel drums, or in mini bulk tanks.

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