

PPL-3216

DESCRIPTION

The PPL-3216 is a pre-promoted, low viscosity, non-thixotropic, unsaturated polyester resins.

FEATURES AND BENEFITS

- Excellent wet out properties.
- Fast cycle of curing.
- Resistance to yellowing (light and storage).

APPLICATIONS

FRP parts by manual process.

TYPICAL LIQUID PROPERTIES

Property	Units	Min.	Max.	Test Method
Acid number (Solution)	Mg KOH/g sample	—	30	TARQ – 100
Ford cup #4 viscosity ²	Seg.	53	57	TARQ – 320
Gel time ¹	Seg.	36	46	TARQ – 407
Time to 180°C	Seg.	100	145	TARQ – 407
Cure time	Seg.	140	200	TARQ – 407
Gel temperature	°C	76	82	TARQ – 407
Exothermic Peak	°C	185	215	TARQ – 407
Ahpa color	—	—	70	TARQ – 610
Stability	Hours	1.5	—	TARQ - 660
Appearance	—	Clear		Visual

¹ 100 g. of resin + 0.77% Trigonox K-90 (Add at 74°C) in an oil bath 85°C +/- 1°C; ² Ford cup #4 @25°C

NOTE: Tests results compared with the reported in certificate can be affected due to: batch age, temperature, moisture, type and amount of catalyst, testing equipment and method.

RECOMMENDATIONS

- 1.- The catalyst level should not exceed 2.8% or fall below 1% for proper cure.
- 2.- This product should not be used when temperature conditions are below 16°C, as curing and handling may be adversely affected.
- 3.- Do not add any material different to the catalyst recommended for this product.
- 4.- Do not mix organic peroxides with metallic soaps, amines or any type of accelerators or promoters, because it can result on violent decomposition with fire or explosion.
- 5.- Any additional questions, please contact your Reacciones Químicas SA de CV sales representative.

STORAGE

Uncatalyzed PPL-3216 resin, has a usage life of three months from invoice date, when stored at 25°C or below, in a closed, factory sealed opaque containers, and out of direct sunlight, heat sources or moisture. For every 7°C increase in storage temperature, the shelf life is reduced by one half.

SAFETY AND HANDLING

Detailed information for safe handling of PPL-3216 resin, can be found on its SDS. For more information, please contact your Reacciones Químicas SA de CV sales representative.

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