

PCP-9407-05 / PCP-9407-07

DESCRIPTION

The PCP-9407-05 and PCP-9407-07 are pre promoted, hybrid, low viscosity, unsaturated polyester resins.

FEATURES AND BENEFITS

- Maximum filler permitted.
- Short cycles of production.
- Improved impact strength.

APPLICATIONS

- Polymer Concrete.

TYPICAL LIQUID PROPERTIES

Property	Units	PCP-9407-05	PCP-9407-07	Test Method
Acid number (solution)	Mg KOH/g sample	30 max		TARQ-100
Non-volatile content	%	58 - 61		TARQ-204
Brookfield viscosity ²	Cps	180 - 220		TARQ-300
Gel Time ¹	Minutes	5 - 7	7 - 9	TARQ-400
Interval	Minutes	6 - 12		TARQ-400
Exothermic Peak	°C	140 - 200		TARQ-400
Appearance	—	Opalescent		Visual
Stability at 120°C	Hours	1.5 min		TARQ-660

¹1% Butanox M-50 @25°C; ²LVDVE, spindle #2, 60 rpm @25°C

RECOMMENDATIONS

- 1-. The catalyst level should not exceed 2.8% or fall below 1% for proper cure.
- 2-. These products 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 these products.

- 4-. Do not use these products if the molds used to make the final parts are made of silicone; this because they can present problems of stickness on the main face.
- 5-. Do not mix organic peroxides with metallic soaps, amines or any type of accelerators or promoters, because it can result in a violent decomposition with fire or explosion.

STORAGE

Uncatalyzed PCP-9407-05 / PCP-9407-07 resins, have a usage life of three months from invoice date, when stored at 25°C or below, in a closed, opaque, factory sealed container, 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 on the safe handling of the PCP-9407-05 / PCP-9407-07 can be found on its SDS. For more information, please contact your Reacciones Químicas SA de CV sales representative.

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