

## PMS-7090 / PMS-7093 / PMS-7098 / PMS-7103 / PMS-7107

### DESCRIPTION

The PMS-7090, PMS-7093, PMS-7098, PMS-7103 and PMS-7107 are pre-promoted, low viscosity, unsaturated polyester resins.

### FEATURES AND BENEFITS

- Permits highest filler loading reducing cost.
- Fast production cycles.
- Excellent green strength time.

### APPLICATIONS

- Manufacture of countertops, tabletops and vanities by continuous process.

### TYPICAL LIQUID PROPERTIES

Property	Units	PMS-7093	PMS-7103	PMS-7107	PMS-7090	PMS-7098	Method
Acid Number (Solution)	Mg KOH / g sample	25 max	25 max	25 max	25 max	25 max	TARQ-100
Non-volatile Content	%	65 - 70	65 - 70	65 - 70	66 - 70	63 - 67	TARQ-204
Brookfield Viscosity <sup>2</sup>	Cps	200 - 250	200 - 250	200 - 250	200 - 250	200 - 250	TARQ-300
Gel Time	Minutes	3 - 5 <sup>1</sup>	4 - 7 <sup>1</sup>	4 - 6 <sup>1</sup>	6 - 9 <sup>3</sup>	9 - 12 <sup>3</sup>	TARQ-400 / TARQ-405
Interval	Minutes	4 - 7	5 - 8	5 - 8	5 - 10	5 - 10	TARQ-400 / TARQ-405
Exothermic Peak	°C	155 - 190	155 - 190	155 - 190	150 - 180	1445 - 175	TARQ-400 / TARQ-405
Appearance	--	Clear	Clear	Clear	Clear	Clear	VISUAL
Stability at 120°C	Hours	1.5 min	1.5 min	1.5 min	1.5 min	1.5 min	TARQ-660

<sup>1</sup> 1.25% Butanox M-50 @25°C; <sup>2</sup> LVDV-E, spindle #2, 60 rpm @25°C; <sup>3</sup> 1.25% Norox 925 @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-. 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 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 PMS-7090, PMS-7093, PMS-7098, PMS-7103 and PMS-7107 resins, have 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 PMS-7090, PMS-7093, PMS-7098, PMS-7103 and PMS-7107 resins, can be found on its SDS. For more information, please contact your Reacciones Químicas SA de CV sales representative.

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