

PMS-7093 / PMS-7098 / PMS-7099 / PMS-7103 / PMS-7107

DESCRIPTION

The PMS-7093, PMS-7098, PMS-7099, 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 FEATURES AND BENEFITS

Property	Units	PMS-7093	PMS-7103	PMS-7107	PMS-7098	PMS-7099	Test Method
Acid number (Solution)	mg KOH / g sample	25 max					TARQ-100
Non-volatile content	%	65-70			63-67		TARQ-204
Brookfield viscosity ²	Cps	200-250					TARQ-300
Gel Time	Minutes	3 - 5 ¹	5 - 7 ¹		9 - 12 ³	6 - 9 ³	TARQ-400 / TARQ-405
Interval	Minutes	4 - 7	5 - 8		5 - 10		TARQ-400 / TARQ-405
Exothermic Peak	°C	155 - 190			145 - 175		TARQ-400 / TARQ-405
Appearance	—	Clear					Visual
Stability at 120°C	Hours	1.5 min.					TARQ-660

¹ 1.25% Butanox M-50 @ 25°C (TARQ-405); ² LVDVE, spindle #2, 60 rpm @ 25°C; ³ 1.25% Norox 925 @ 25°C (TARQ-400).

NOTE: 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-7093, PMS-7098, PMS-7099, 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-7093, PMS-7098, PMS-7099, 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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