PRODUCT BULLETIN

April 2024

STYPOL® 040-2537

Unpromoted Flexible Isophthalic Blending Resin

DESCRIPTION

STYPOL® 040-2537 is a resilient, isophthalic resin solution. It is a clear, wax-free, non-accelerated and non-thixotropic polyester resin solution.

Formulated to provide flexibility and resiliency in polyester films, moldings, and castings, STYPOL® 040-2537 has excellent physical properties. This resin requires the addition of an accelerator and an initiator to cure at room temperature. It may be used to blend with rigid resins for intermediate resiliency.

PROPERTIES – LIQUID

Property[1]	Unit	040-2537
NVM	%	72
Viscosity[2]	cps	2035
Gel Time[3]	minutes	7
Gel to Peak	minutes	13.5
Peak Exotherm	°C/°F	167/333
Density	g/cm³	9.6

1) All properties at 25°C/77°F unless otherwise noted
2) Brookfield Viscometer LV Spindle # 3 at 30 RPM
3) 0.30 g 12% Co / 200 g resin initiated with 1.20% MEKP-925

PROPERTIES – PHYSICAL

Property[1]	Unit	Neat Resin Casting[2]	Test Method
Tensile Strength	psi	7,000	ASTM D 638
Flexure Strength	psi	11,000	ASTM D 790
Flexure Modulus	psi	31.8	ASTM D 790

1) Physical properties were determined using internal Polynt test methods that are similar to those listed above.
2) Include note on casting fabrication including catalyst type and level, cure temperature, cure time, post cure temperature and post cure time.

APPLICATION

STYPOL® 040-2537 should not be used when temperature conditions are below 60°F, as curing may be adversely affected.

CAUTION: Do not add any material, other than the recommended fillers and methyl ethyl ketone peroxide, to this product without the advice of a representative from Polynt.

Refer to Polynt's Composites Applications Guide ("Cookbook") for equipment and application recommendations. Each user must determine the suitability of this product to his/her particular mode of operation and intended end-use application. A Polynt representative will be available to assist in the proper selection of all Polynt products available for commercial use.

SHELF LIFE & STORAGE

The shelf life of STYPOL® 040-2537 is 120 days from the date of manufacture from Polynt. To maximize usage life and maintain optimum properties, resins and gel coats should be stored in the original closed container at temperatures below 23°C/73°F and away from ignition sources and sunlight. Keep containers sealed to prevent moisture pick-up and monomer loss.

SAFETY & WARRANTY

To receive a copy of our safety and warranty information, please email safetyandwarranty@polynt.com.