PRODUCT BULLETIN

May 2020

STYPOL® 040-5985

Marble Resin, Light Colors, Medium Exotherm

DESCRIPTION

STYPOL® 040-5985 is a medium viscosity, medium reactive, resilient resin containing styrene monomer. The resin is specifically formulated for use in casting processes for fabricating marble vanities and flat stock.

BENEFITS & FEATURES

- High filler load acceptance
- Good filler suspension
- Resistance to warping and cracking
- Medium exotherm

PROPERTIES – LIQUID

Property[1]	Unit	040-5985
Viscosity[2]	cps	1,200
Gel Time[3]	minutes	13
Gel to Peak	minutes	14
Peak Exotherm	°C/°F	154/310

1) All properties at 25°C/77°F unless otherwise noted
2) Brookfield Viscometer LV Spindle #3 at 30 RPM
3) 1.25% DDM-9

PROPERTIES – PHYSICAL

Property[1]	Unit	Neat Resin Casting	Test Method
Tensile Strength	psi	8,000	ASTM D 638
Tensile Elongation	%	1.8	ASTM D 638
Flexure Strength	psi	12,000	ASTM D 790
Flexure Modulus	psi	66	ASTM D 790
Heat Distortion at 264 psi	°C/°F	66/151	ASTM D 648
Hardness, Barcol Model 934-1	HB	43	ASTM D 2583

1) Physical properties were determined using internal Polynt test methods that are similar to those listed above.

APPLICATION

Refer to Polynt 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-Reichhold products available for commercial use.

SHELF LIFE & STORAGE

The shelf life of STYPOL® 040-5985 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.

RELATED PRODUCTS

See Polynt's Mastercast and Flex Cast Product Line Guide for related products.

SAFETY & WARRANTY

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