PRODUCT BULLETIN

June 2018

718-1595 Series

Unsaturated Polyester Marble Resin

DESCRIPTION

718-1595 Series resins are pre-promoted, non-thixotropic, orthophthalic polyester casting resin that is formulated for room temperature gel and cure with methyl ethyl ketone (MEKP) initiator. It was developed for use with calcium carbonate and aluminum trihydrate fillers. Suggested applications include cultured marble vanities, backsplashes, wall panels, and flat stock.

BENEFITS & FEATURES

- Medium viscosity
- Good green strength time
- Consistent color
- High filler loading

PROPERTIES – LIQUID

Property(1)	Unit	718-1595-15	718-1595-22
Appearance	-	Blue	Blue
NVM	%	70	70
Viscosity(2)	cps	1,300	1,300
Gel Time(3)	minutes	15	22
Gel to Peak	minutes	11	12
Peak Exotherm	°C/°F	152/305	149/300
Moisture by Karl Fisher	%	0.12 (max.)	0.12 (max.)
Weight per Gallon	lbs/gal	9.5	9.5
Styrene Content	%	29.6	29.6

1) All properties at 25°C/77°F unless otherwise noted
2) Brookfield Viscometer RVT Spindle #3 at 20 RPM
3) 1.0% MEKP-925

PROPERTIES – PHYSICAL

Property(1)	Unit	0.125" Cured Unfilled Castings	Test Method
Tensile Strength	psi	9,000	ASTM D 638
Tensile Modulus	psi	565,000	ASTM D 638
Tensile Elongation	%	2.0	ASTM D 638
Flexure Strength	psi	17,000	ASTM D 790
Flexure Modulus	psi	525,000	ASTM D 790
Heat Deflection Temperature	°C/°F	68/155	ASTM D 648
Hardness, Barcol Model 934-1	HB	42	ASTM D 2583

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

APPLICATION

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 718-1595 Series 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.