PRODUCT BULLETIN

February 2026

784-7973-14

Fillable Vinyl Ester Laminating Resin

DESCRIPTION

784-7973-14 is a promoted, thixotropic vinyl ester resin designed for use in many laminating applications requiring superior toughness and fatigue resistance. Suggested applications include acrylic adhesion, barrier coating, pools, spas, and water slides.

BENEFITS & FEATURES

- Excellent mechanical properties
- Chemical and corrosion resistance consistent with chemistry
- Non-draining
- Fillable to 40% by weight of mixture

PROPERTIES – LIQUID

Property[1]	Unit	784-7973-14
Appearance	-	Purple
NVM	%	52.5
Viscosity[2]	cps	400
Thix Index[3]	-	3.0
Gel Time[4]	minutes	14
Gel to Peak	minutes	9
Peak Exotherm	°C/°F	179/355
Weight per Gallon	lbs/gal	8.55
Styrene Content	%	46.3

1) All properties at 25°C/77°F unless otherwise noted
2) Brookfield Viscometer RV Spindle #3 at 50 RPM
3) Brookfield Viscometer RV Spindle #3 at 5/50 RPM
4) 1.25% United Initiators Norox® MEKP-925

PROPERTIES – PHYSICAL

Property[1]	Unit	0.125" Clear Casting	Test Method
Tensile Strength	psi	12,000	ASTM D 638
Tensile Modulus	psi	489,000	ASTM D 638
Tensile Elongation	%	5.0	ASTM D 638
Flexure Strength	psi	21,000	ASTM D 790
Flexure Modulus	psi	4,000	ASTM D 790
Heat Deflection Temperature	°C/°F	110/230	ASTM D 648

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

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APPLICATION

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 784-7973-14 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.