PRODUCT BULLETIN

January 2024

772-6736

Unsaturated Polyester Laminating Resin

DESCRIPTION

772-6736 is a general purpose, promoted, thixed, unsaturated polyester resin intended for room temperature cure with methyl ethyl ketone peroxide (MEKP) initiator. Suggested applications include use in general purpose laminating, trailers, RV parts, boats, and car parts.

BENEFITS & FEATURES

- Fast wet-out
- Non-draining
- Rapid mold cycling

PROPERTIES – LIQUID

Property[1]	Unit	772-6736	772-6736-10
Appearance	-	Pink	Pink
NVM	%	56	56
Viscosity[2]	cps	450	450
Thix Index[3]	-	2.9	2.5 (Min.)
Gel Time[4]	minutes	25	10
Gel to Peak	minutes	45	35
Peak Exotherm	°C/°F	127/260	127/260
Weight per Gallon	lbs/gal	9	9

1) All properties at 25°C/77°F unless otherwise noted
2) Brookfield Viscometer LVF Spindle #3 at 60 RPM
3) Brookfield Viscometer LVF Spindle #3 at 6/60 RPM
4) 1.25% Arkema Luperox® DDM-9

PROPERTIES – PHYSICAL

Property[1]	Unit	0.125" Casting	Test Method
Tensile Strength	psi	8,000	ASTM D 638
Tensile Modulus	psi	600,000	ASTM D 638
Tensile Elongation	%	1.5	ASTM D 638
Flexure Strength	psi	13,000	ASTM D 790
Flexure Modulus	psi	690,000	ASTM D 790
Heat Deflection Temperature	°C/°F	64/147	ASTM D 648
Hardness, Barcol Model 934-1	HB	45	ASTM D 2583

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

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 772-6736 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.