PRODUCT BULLETIN

January 2024

733-6799

General Purpose Laminating Resin

DESCRIPTION

733-6799 is a pre-promoted, thixed general purpose laminating resin formulated for use in fillable laminating applications including, but not limited to, shower stalls, tubs, back-up laminate to vinyl ester skinned spas, camper shells, truck lids and others. It was formulated for room temperature gel and cure with methyl ethyl ketone peroxide (MEKP) initiator. This system complies with SCAQMD Rule 1162, San Diego Rule 67.10, and EPA's MACT compliance programs. This resin contains a wax suppressant. Suggested applications include general purpose filled laminates, small to large job parts, shower stalls and tubs, and automotive.

BENEFITS & FEATURES

- Low viscosity
- Non-draining
- Good wetting
- Methyl ethyl ketone peroxide cure
- Medium trim window

PROPERTIES – LIQUID

Property[1]	Unit	733-6799-20	733-6799-27
Appearance	-	Brown to Red	Brown to Red
NVM	%	63	63
Viscosity[2]	cps	1,050	1,050
Thix Index[3]	-	2.35	2.35
Gel Time[4]	minutes	22	27
Weight per Gallon	lbs/gal	9.10	9.10
Styrene Content	%	35 (Max.)	35 (Max.)

1) All properties at 25°C/77°F unless otherwise noted
2) Brookfield Viscometer LVT Spindle #3 at 60 RPM; Filled with 50% OmyaCarb 10
3) Brookfield Viscometer LVT Spindle #3 at 6/60 RPM
4) Filled with 50% OmyaCarb 10; Initiator 1.0% United Initiators Norox® MEKP-925 based on filled mix

PROPERTIES – PHYSICAL

Property[1]	Unit	0.125" Casting, MEKP-925	Test Method
Tensile Strength	psi	8,000	ASTM D 638
Tensile Modulus	psi	534,000	ASTM D 638
Tensile Elongation	%	2.0	ASTM D 638
Flexure Strength	psi	13,000	ASTM D 790
Flexure Modulus	psi	497,000	ASTM D 790
Heat Deflection Temperature	°C/°F	92/197	ASTM D 648
Hardness, Barcol Model 934-1	HB	36	ASTM D 2583

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 733-6799 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.