PRODUCT BULLETIN

July 2018

733-2245

Unsaturated Polyester Laminating Resin

DESCRIPTION

733-2245 is a promoted, thixed, unsaturated polyester resin intended for room temperature cure with methyl ethyl ketone peroxide (MEKP) initiator. This resin is formulated to be used in a wide range of fiberglass parts, including marine and recreational vehicles. This system complies with SCAQMD Rule 1162 and is considered a "low VOC" compliant resin, as described by San Diego County's Rule 67.10 and EPA's MACT compliance program. Suggested applications include spray-up, hand lay-up, marine, fiberglass parts, and recreational vehicles.

BENEFITS & FEATURES

- Low viscosity
- Fast wet-out
- Less than 35% styrene
- Medium cure

PROPERTIES – LIQUID

Property(1)	Unit	733-2245
Appearance	-	Blue
NVM	%	64.5
Viscosity(2)	cps	530
Thix Index(3)	-	3.3
Gel Time(4)	minutes	19.0
Gel to Peak	minutes	14.0
Peak Exotherm	°C/°F	156/312
Weight per Gallon	lbs/gal	8.84
Styrene Content	%	34.0

1) All properties at 25°C/77°F unless otherwise noted
2) Brookfield Viscometer RVT Spindle #3 at 50 RPM
3) Brookfield Viscometer RVT Spindle #3 at 5/50 RPM
4) 1.0% Norox MEKP-925

PROPERTIES – PHYSICAL

Property(1)	Unit	0.125" Cured Unfilled Castings	Test Method
Tensile Strength	psi	8,000	ASTM D 638
Tensile Modulus	psi	572,000	ASTM D 638
Tensile Elongation	%	1.6	ASTM D 638
Flexure Strength	psi	16,000	ASTM D 790
Flexure Modulus	psi	585,000	ASTM D 790
Heat Deflection Temperature	°C/°F	100/212	ASTM D 648
Hardness, Barcol Model 934-1	HB	35	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

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 733-2245 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

733-2242	(gel time 9 minutes)
733-2243	(gel time 12 minutes)
733-2244	(gel time 16 minutes)
733-2246	(gel time 22 minutes)
733-2247	(gel time 27 minutes)
733-2248	(gel time 30 minutes)
733-2245-45	(gel time 45 minutes)

SAFETY & WARRANTY

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