PRODUCT BULLETIN

April 2018

105-7987

Low HAPs Base Resin

DESCRIPTION

105-7987 is an unpromoted, non-thixed general purpose base resin intended for use in manufacturing general purpose laminating resins. Applications include shower stalls, tubs, back-up laminate, vinyl ester skinned spas, camper shells, truck lids, marine, and many others. Other suggested uses include use as a base for general purpose laminating resins and in fillable resin systems.

BENEFITS & FEATURES

- Low viscosity
- Low HAPs content
- Excellent wetting
- Medium to fast cure rate

PROPERTIES – LIQUID

Property(1)	Unit	105-7987
Appearance, Gardner	-	3.3
NVM	%	77
Viscosity(2)	cps	850
SPI Gel Time(3)	minutes	6.5
SPI Interval Gel to Peak	minutes	3.0
SPI Peak Exotherm	°C/°F	174/345
Weight per gallon	lbs/gal	9.5
Acid Number (NVM)	mg KOH/g	30
Monomer/HAPs Content	%	22

1) All properties at 25°C/77°F unless otherwise noted
2) Brookfield Viscometer RVT Spindle #21 @ 20 RPM
3) 1.0% BPO at 180°F

PROPERTIES – PHYSICAL

Property(1)	Unit	0.125" Clear Casting	Test Method
Tensile Strength	psi	9,000	ASTM D 638
Tensile Modulus	psi	530,000	ASTM D 638
Tensile Elongation	%	2.0	ASTM D 638
Flexure Strength	psi	14,000	ASTM D 790
Flexure Modulus	psi	560,000	ASTM D 790
Heat Deflection Temperature	°C/°F	100/212	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.

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 105-7987 is 180 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.