PRODUCT BULLETIN

March 2024

POLYLITE® 31341-55

Unsaturated Polyester/Vinyl Ester Hybrid Resin

DESCRIPTION

POLYLITE® 31341-55 is a unique unsaturated polyester/vinyl ester hybrid resin system dissolved in styrene, and is designed to meet stringent testing requirements for fiberglass tanks systems.

BENEFITS & FEATURES

- Minimal loss of mechanical properties at elevated service temperatures
- Excellent high glass content wet-out
- Optimized formulation for excellent mechanical properties

PROPERTIES – LIQUID

Property(1)	Unit	31341-55
NVM, SPI	%	58.0
Viscosity(2)	cps	215
SPI Gel Time(3)	minutes	16
SPI Cure Time	minutes	2.75
SPI Peak Exotherm	°C/°F	200/392
Styrene Content	%	42
Specific Gravity	g/cm³	1.080

1) All properties at 25°C/77°F unless otherwise noted. SPI testing performed in water bath at 82.2 °C
2) Brookfield Viscometer RV Spindle #1 at 20 RPM
3) Initiator: 2.5 g United Initiators Norox® TBPB/100 g resin

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 POLYLITE® 31341-55 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.