PRODUCT BULLETIN

March 2023

POLYLITE® 31212-15

Isophthalic Resin

DESCRIPTION

POLYLITE® 31212-15 is a rigid casting resin with medium reactivity. This isophthalic resin contains neopentyl glycol (NPG). POLYLITE® 31212-15 is acrylic modified and un-promoted.

BENEFITS & FEATURES

- Batch-to-batch consistency and uniformity from production utilizing Statistical Process Control (S.P.C) & Statistical Quality Control (S.Q.C) techniques
- Low viscosity allows for high filler loadings

PROPERTIES – LIQUID

Property[1]	Unit	31212-15
NVM	%	54.0
Viscosity[2]	cps	195
Acid Value-On Solution	mg/g	12.0
SPI Gel Time[3]	minutes	5.5
SPI Cure Time	minutes	3.0
SPI Peak Exotherm	°C/°F	219/426
Weight Per Gallon	lbs/gal	8.95
Color-APHA	APHA	80 (Max.)
Flash Point (Seta Closed Cup)	°C/°F	32/89

1) All properties at 25°C/77°F unless otherwise noted
2) Brookfield Viscometer LV Spindle #2 at 60 RPM
3) 1.0% BPO, water bath (82.2°C/180°F)

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-Reichhold products available for commercial use.

SHELF LIFE & STORAGE

The shelf life of POLYLITE® 31212-15 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.

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SAFETY & WARRANTY

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