PRODUCT BULLETIN

October 2022

POLYLITE® 33199 Series

Off-Grade Unsaturated Polyester Resin Blend

DESCRIPTION

POLYLITE® 33199 Series are variable composition resins that may be offered in pre-promoted, non-promoted, thixotropic, etc. versions. POLYLITE® 33199 Series resins typically are adjusted to meet gel times and viscosities as specified by individual users. The suitability of this product for a particular use or application must be determined by the user. The user agrees to accept such materials in the condition in which they exist at the time of transfer.

BENEFITS & FEATURES

- Gel times from 10 – 45 minutes are available. Contact your Polynt Account Manager for details
- Wide specification resins due to blending of various unsaturated polyester resins

PROPERTIES – LIQUID

Property[1]	Unit	33199-00	33199-16	33199-18W	33199-22
NVM	%	55	53	58	58
Acid Number	mg/g	17.5	17.5	-	-
Viscosity	cps	400[2]	400	-	-
Thix	-	3.5	1.8 (Min.)	-	-
Gel Time	minutes	-	27.5[3]	-	-
Peak Exotherm	°C/°F	-	155/311	-	-
Styrene Content	%	-	-	50 (Max)	50 (Max)
Wax	-	No	-	Yes	No

1) All properties at 25°C/77°F unless otherwise noted
2) Brookfield LVF #3 @ 60 rpm
3) Initiator: 1.25 g MEKP-925 per 100 g resin

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PROPERTIES – LIQUID (Continued)

Property[1]	Unit	33199-24	33199-28W	33199-32
NVM	%	55	58	53
Acid Number	mg/g	17.5	-	17.5
Viscosity	cps	400[5]	500	900
Thix	-	3.5	3.5	2.8 (Min)
Gel Time	minutes	20	-	17[7]
Time to Peak	minutes	34	-	38
Peak Exotherm	°C/°F	155/311	-	98
Styrene Content	%	-	50 (Max)	-
Wax	-	-		-

4) All properties at 25°C/77°F unless otherwise noted
5) Brookfield LVF #3 @ 60 rpm
6) Initiator: 1.25 g MEKP-900 per 100 g resin
7) Filled Resin Initiator: 0.45 g MEKP-900 per 100 g resin; Filler: 55% PMC blend (this is a vapor suppressed 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-Reichhold products available for commercial use.

SHELF LIFE & STORAGE

The shelf life of POLYLITE® 33199 Series is 120 days (promoted) or 180 days (unpromoted) 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

Polynt-Reichhold makes no representation or warranty as to the value, usefulness, quality, merchantability, or fitness for a particular purpose of such materials.

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