PRODUCT BULLETIN

September 2020

ES275

Low Styrene Resin

DESCRIPTION

ES275 is a promoted, thixotropic, low styrene, unsaturated polyester resin. ES275 is formulated for ambient curing with methyl ethyl ketone peroxide (MEKP) initiators.

BENEFITS & FEATURES

- Batch-to-batch consistency and uniformity from production utilizing Statistical Process Control (S.P.C) & Statistical Quality Control (S.Q.C) techniques
- Formulation flexibility for high glass and high filler content due to low viscosity
- Resistance to draining and sagging due to thixotropic properties
- Formulated with 20% recycled/renewable content
- Contains a styrene emission suppressant

PROPERTIES – LIQUID

Property(1)	Unit	ES275
Styrene-Calculation by Final NV	%	35 (Max.)
Viscosity(2)	cps	600
Thix Index	-	2.5 (Min.)
Gel Time(3)	minutes	75
Specific Gravity	g/cm^3	1.10
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 #3 at 60 RPM
3) 1.5% DDM-9, 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-Reichhold products available for commercial use.

SHELF LIFE & STORAGE

The shelf life of ES275 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.