PRODUCT BULLETIN

May 2018

711-0510

Unsaturated Polyester Resin

DESCRIPTION

711-0510 is a non-promoted, non-thixotropic, general purpose resin with medium to high reactivity. Suggested applications include laminating resins and boat resins.

BENEFITS & FEATURES

- High reactivity
- Good fiber wet-out

PROPERTIES – LIQUID

Property[1]	Unit	711-0510
Appearance	-	Light Yellow
NVM	%	72
Viscosity[2]	cps	2,800
Gel Time[3]	minutes	5.0
Gel to Peak	minutes	1.5
Peak Exotherm	°C/°F	199/390
Weight per Gallon	lbs/gal	9.5
Acid Value (Solids)	-	25

1) All properties at 25°C/77°F unless otherwise noted
2) Brookfield Viscometer RFV Spindle #4 at 20 RPM
3) 1.0% BPO

PROPERTIES – PHYSICAL

Property[1]	Unit	0.125" Casting, BPO	Laminate[2]	Test Method
Tensile Strength	psi	10,000	18,000	ASTM D 638
Tensile Modulus	psi	583,000	1,425,000	ASTM D 638
Tensile Elongation	%	2.0	1.85	ASTM D 638
Flexure Strength	psi	19,000	28,000	ASTM D 790
Flexure Modulus	psi	569,000	1,219,000	ASTM D 790
Heat Deflection Temperature	°C/°F	81/178	-	ASTM D 648
Hardness, Barcol Model 934-1	HB	49	60	ASTM D 2583

1) Physical properties were determined using internal Polynt test methods that are similar to those listed above.
2) 33/66 glass/resin 1.5 oz. mat laminates

Polynt Composites USA Inc. - 99 East Cottage Ave. - Carpentersville IL 60110
Customer Service - +1 800 322 8103 phone - www.polynt.com

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 711-0510 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.