PRODUCT BULLETIN

May 2018

711-1530

Unsaturated Polyester Resin

DESCRIPTION

711-1530 is an unpromoted, non-thixotropic, flexible, orthophthalic, unsaturated polyester base resin. Suggested applications include flex resin and body putty resin.

BENEFITS & FEATURES

- Flexible
- Low cost

PROPERTIES – LIQUID

Property[1]	Unit	711-1530
Appearance	-	Light Amber
APHA Color	-	50
NVM	%	72
Viscosity[2]	cps	1,200
Gel Time[3]	minutes	4.4
Gel to Peak	minutes	3.6
Peak Exotherm	°C/°F	140/284
Weight per Gallon	lbs/gal	9.8
Acid Value	mg KOH/g NVM	25

1) All properties at 25°C/77°F unless otherwise noted
2) Brookfield Viscometer RVT Spindle #3 at 20 RPM
3) 1.0% BPO, 180°F

PROPERTIES – PHYSICAL

Property[1]	Unit	Neat Resin Casting	Test Method
Tensile Strength	psi	2,000	ASTM D 638
Tensile Modulus	psi	35,000	ASTM D 638
Tensile Elongation	%	60.0	ASTM D 638
Flexure Strength	psi	1,000	ASTM D 790
Flexure Modulus	psi	30,000	ASTM D 790
Heat Deflection Temperature	°C/°F	21/70	ASTM D 648
Hardness, Barcol Model 934-1	HB	60	ASTM D 2583

1) Physical properties were determined using internal Polynt test methods that are similar to those listed above.

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 711-1530 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.