PRODUCT BULLETIN

August 2020

737-8620-35

DCPD NPG resin

DESCRIPTION

737-8620 is a styrene free, unpromoted, medium reactivity DCPD, NPG and Isophthalic polyester resin blend designed for the pultrusion process.

BENEFITS & FEATURES

- Styrene free
- 20% vinyl toluene as monomer
- Medium reactivity and good rigidity

PROPERTIES – LIQUID

Property[1]	Unit	737-8620-35
Acid Value	-	14
Viscosity[2]	cps	4,000
SPI Gel Time[3]	minutes	35
SPI Gel to Peak	minutes	37
SPI Peak Exotherm	°C/°F	149/300
Weight per Gallon	lbs/gal	9.35

1) All properties at 25°C/77°F unless otherwise noted
2) Brookfield Viscometer SSA #27 at 20 RPM
3) 1.0 % BPO Crystals

PROPERTIES – PHYSICAL

Property[1]	Unit	Clear Casting	Test Method
Tensile Strength	psi	TBD	ASTM D 638
Tensile Modulus	psi	TBD	ASTM D 638
Tensile Elongation	%	TBD	ASTM D 638
Flexure Strength	psi	TBD	ASTM D 790
Flexure Modulus	psi	TBD	ASTM D 790
Compression Strength	psi	TBD	ASTM D 695
Heat Deflection Temperature	°C/°F	TBD	ASTM D 648
Hardness, Barcol Model 934-1	HB	TBD	ASTM D 2583
Water Absorption - 2 hours at 212°F - 24 hours at 73°F	 % gain % gain	 TBD TBD	ASTM D 570

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 737-8620-35 is 150 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.