

Product Information

Pultru® Isophthalic Pultrusion Resin

TYPICAL LIQUID RESIN PROPERTIES*

	Nominal
Viscosity, Brookfield RTV Spindle #4 at 20 RPM, cps	2700
Weight Per Gallon	9.0 lb./gal./1.11 gr./cc
Acid Number, Solids Basis	9 Mg KOH/g
Styrene, %	37.5
Color Gardner (max)	2
Stability, 120°F	20 days

TYPICAL CURING PROPERTIES* (1) see back page

SPI Gel time at 77°F/25°C, 1.0% BPO	
150-190°F/65.6-87.8°C, minutes	4.5
Gel to peak time, minutes	6.25
Peak Exotherm, °F/°C	455/235

TYPICAL CLEAR CAST MECHANICAL PROPERTIES* (2) see back page

		Test Method
Tensile Strength, psi/MPa	9,300/64.1	ASTM D 638
Tensile Modulus, psi/GPa	520,000/3.6	ASTM D 638
Tensile Elongation, %	2.2	ASTM D 638
Flexural Strength, psi/MPa	19,600/135.1	ASTM D 790
Flexural Modulus, psi/GPa	525,000/3.6	ASTM D 790
Heat Distortion Temperature, °F/°C at 264 psi	256/136	ASTM D 648

*Typical properties are not to be construed as specifications.



DESCRIPTION

Pultru® P767 is an unpromoted NPG Isophthalic polyester resin for applications demanding excellent weathering.

BENEFITS

Improved Weathering Characteristics

The NPG Isophthalic chemistry of the Pultru® P767 provides improved weathering even in the most demanding applications.

Improved Closed Mold Processing

High reactivity makes the Pultru® P767 suitable for pultrusion, SMC and BMC. Balanced chemistry and unique properties allow designers to meet a broad spectrum of applications.

Proven History

AOC's Pultru® P767 has demonstrated years of proven performance in appliance, electrical and construction applications.

Pultru® P767 Polyester Resin

STORAGE STABILITY

Resins are stable for three months from date of production when stored in the original containers away from sunlight at no more than 70°F/21°C. After extended storage, some drift may occur in gel time.

During the hot summer months, no more than two months stability at 86°F/30°C should be anticipated.

SAFETY

See appropriate AOC MSDS for guidelines.

ISO 9002 CERTIFIED

The Quality Management Systems at every AOC manufacturing facility have been certified as meeting ISO 9002 standards. This certification recognizes that each AOC facility has an internationally accepted model in place for managing and assuring quality. We follow the practices set forth in this model to add value to the resins we make for our customers

FOOTNOTES

(1)

The gel times shown are typical but may be affected by catalyst, promoter and inhibitor concentrations and resin, mold and shop temperature. Variations in gelling characteristics can be expected between different lots of catalysts and at extremely high humidities. Pigment and fillers can retard or accelerate gelation. It is recommended that the fabricator check the gelling characteristics of a small quantity of resin under actual operating conditions prior to use.

(2)

Based on tests at 77°F/25°C and 50% relative humidity. All tests performed on unreinforced cured resin castings. 1/8" castings were prepared using 1.0% BPO, post cured for 2 hours at 250°F.



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Our recommendations should not be taken as inducements to infringe any patent or violate any law, safety code or insurance regulation.