

Product Information

UV CURABLE, ULTRA LOW VOC RESIN FOR UNDERGROUND PIPE REHABILITATION

Typical Cast Mechanical Properties ¹			
Test	Unit of Measure	Nominal	Test Method
Tensile Strength	MPa	60	ISO 527-1
Tensile Modulus	GPa	2.9	ISO 527-1
Tensile Elongation	%	5	ISO 527-1
Flexural Strength	MPa	101	ISO 178
Flexural Modulus	GPa	2.8	ISO 178
Compressive Strength	MPa	178	ISO 604
Heat Distortion Temp.	°C @264 psi	79	ISO 75A
Barcol Hardness	-	37	ASTM D 2583

Typical Liquid Properties ²		
Test	Unit of Measure	Nominal
Viscosity, @77°F/25°C, RVF Brookfield Spindle #3 @ 10 rpm	cps	1,200
Specific Gravity @ 77°F/25°C	-	1.11
UV Gel Time	minutes	1–2
Heat Cure Gel Time @80°C	minutes	3

Typical properties are not to be construed as specifications.



DESCRIPTION

The UVLCR is a UV curable, ultra low VOC resin. UVLCR can be used for cured in place pipe applications that do not allow the use of styrene or other VO components.

BENEFITS

- Ultra low VOC content
- Excellent UV cure profile
- Superior mechanical properties



UVLCR ULTRA LOW VOC 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 77°F/25°C.

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

Resin contains UV initiator and will polymerize upon exposure to sunlight.

SAFETY

See the appropriate Material Safety Data Sheet for guidelines.

ISO 9001:2008 CERTIFIED

The Quality Management Systems at every manufacturing facility have been certified as meeting ISO 9001:2008 standards. This certification recognizes that each 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.) Based on tests on UVLCR at 77°F/25°C and 50% relative humidity. All tests performed on unreinforced cured resin castings. Thixotropic components, if applicable, are excluded from casting samples.

(2.) The gel times shown are typical but may be affected by catalyst, promoter, inhibitor concentration, resin, mold, and shop temperature. Variations in gelling characteristics can be expected between different lots of catalysts and at extremely high humidities. Pigment and/or filler 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.



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UV Relinings systems are made for relining of:

- Main lines
- House connections
- In house pipes

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UVLCR is a trademark of Peanta Invention AB.

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