

Product Information

Isophthalic Based Resin for Underground Sewer Pipe Liners



TYPICAL LIQUID RESIN PROPERTIES

		Test Method
Flexural Strength, psi/MPa	4,500/31.5	ASTM D 790
Flexural Modulus, psi/GPa	400,000/2.7	ASTM D 790

*Typical properties are not to be construed as specifications.

DESCRIPTION

AOC's 102 TA Filled is a high molecular weight isophthalic unsaturated polyester resin that was developed for Insituform Technologies, Inc. and their licensees. 102 TA Filled provides the corrosion resistance, durability and toughness that is required in this demanding application. Using recommended catalyst systems and temperatures, up to 50 hours of catalyzed pot life may be obtained. 102TA Filled thixotropic proper ties reduce resin pooling while providing superior PET felt wet-out.

PERFORMANCE GUIDELINES

Consistent shop conditions contribute to consistent gel times.

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.

FEATURES

- Excellent catalyzed pot life
- Superior mechanical properties
- High molecular weight
- High heat distortion temperature

APPLICATION

- Sewer pipe liners

SAFETY

See appropriate Material Safety Data Sheet for guidelines.

ISO 9001:2000 CERTIFIED

The Quality Management Systems at every AOC manufacturing facility have been certified as meeting ISO 9001:2000 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.

The information contained in this data sheet is based on laboratory data and field experience. We believe this information to be reliable, but do not guarantee its applicability to the user's process or assume any liability for occurrences arising out of its use. The user, by accepting the products described herein, agrees to be responsible for thoroughly testing each such product before committing to production.

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