



## CERTIFICATE OF COMPLIANCE

Re: CIPP Wetout Tube

Alpha Owens Corning (AOC) 102TA is a resin that has been approved by TPS for use with TPS tubes in CIPP projects. AOC 102TA has a successful history in both lab conditions and actual field installations and meets the chemical resistance recommendations of ASTM F1216, ASTM F1743 and D5813. The following physical properties are recommended for CIPP design when using the AOC 102TA polyester resin system:

Flexural Modulus of Elasticity.....	400,000 psi
Flexural Strength .....	4,500 psi
*Tensile Strength .....	2,500 psi
Flexural Modulus Reduction to Account For Long-Term Effects.....	50%

\* As stated in ASTM F1216, tensile strength is not a parameter that is used in standard gravity flow design.

The above values were derived from samples tested in accordance with modified ASTM D-790.

DISCLAIMER OF WARRANTY: AS INSTALLATION CONDITIONS (INCLUDING, AMONG OTHERS, PIPE TYPE & CONDITION, GROUNDWATER DEPTH & TEMPERATURE, DEPTH OF COVER & SOIL TYPE, LIVE LOADS, SITE ACCESS AND WEATHER) AND INSTALLER EXPERIENCE, TECHNIQUES AND TYPE OF EQUIPMENT VARY GREATLY, TPS EXCLUDES ANY WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, WITH RESPECT TO THE GOODS SOLD HEREUNDER AS TO MERCHANTABILITY, FITNESS FOR PARTICULAR USE OR ANY OTHER MATTER WITH RESPECT TO THE GOODS WHETHER USED ALONE OR IN COMBINATION WITH OTHER PRODUCTS. TRENCHLESS PIPE SOLUTIONS LLC DOES NOT WARRANT THE MATERIALS COMPARED AGAINST DESIGN CALCULATIONS.