

**Initial test**     **Repeat test**    to Test Report No.:

**Details of sampling**

Supervised by (Name)	Sampling		Sampling confirmed (company/site management performing)	
	Date	Time	Block capitals	Signature
Project Manager (Name)			Purchase Order No.	

**Specimen identification**

Client material-testing		Material ID	
Client		Line designation	
Construction project		Specimen designation	
Company performing		Date of installation	
Manufacturer (CIPP)		Condition of old pipe	<input type="radio"/> I <input type="radio"/> II <input type="radio"/> III
Material	Resin	Carrying mat.	Sampling point
	Pipe geometry		Sampling position
	<input type="radio"/> Round <input type="radio"/> Egg		<input type="radio"/> Pipe <input type="radio"/> Crown <input type="radio"/> End manhole <input type="radio"/> Side zone <input type="radio"/> Intern. manhole <input type="radio"/> Base

**Required short-term properties as per client's information**

Bending modulus of elasticity $E_f$ [MPa]		Circumf. mod. of elast. $E_U$ [MPa]	
Bending stress at initial fracture $\sigma_{fB}$ [MPa]		Initial ring stiffness $S_0$ [N/m <sup>2</sup> ]	
Statically load-bearing wall thickness $h$ [mm]		Max. creep tendency $K_{n24}$ [%]	
Reduction factor for continuous loads $A_1$		Density $\rho$ [g/cm <sup>3</sup> ]	

**Test results (please tick tests to be performed!)**

Note: 1 MPa = 1 N/mm<sup>2</sup>

Bending mod. of elast., bending stress as per  
DIN EN ISO 178/  DIN EN 13566, Part 4     DIN EN ISO 11296, Part 4

24h creep tendency with ref. to  
DIN EN ISO 899, Part 2

<input type="checkbox"/>	Date of test	$E_f$ [MPa]	$\sigma_{fB}$ [MPa]	$h$ [mm]	<input type="checkbox"/>	$K_{n24}$ [%]
			Test direction	<input type="radio"/> axial <input type="radio"/> radial		

Initial mod. of elast., initial ring stiffness as per DIN EN 1228

24h creep tendency with ref. to DIN EN 761

<input type="checkbox"/>	Date of test	$E_U$ [MPa]	$S_0$ [N/m <sup>2</sup> ]	$h$ [mm]	<input type="checkbox"/>	$K_{n24}$ [%]
--------------------------	--------------	-------------	---------------------------	----------	--------------------------	---------------

Water tightness as per APS code

<input type="checkbox"/>	Date of test	Test period [min]	Test pressure [bar]	Test result
		30	0.5 ± 5%	<input type="radio"/> tight <input type="radio"/> not tight

Calcining method as per DIN EN ISO 1172

<input type="checkbox"/>	Date of test	Resin content [%]	Residue, total [%]	Glass content [%]	Additive [%]
--------------------------	--------------	-------------------	--------------------	-------------------	--------------

Spectral analysis with ref. to ASTM D5576 (FT-IR)

Density as per DIN EN ISO 1183, Part 1

<input type="checkbox"/>	Date of test	Resin	<input type="checkbox"/>	Date of test	Density $\rho$ [g/cm <sup>3</sup> ]
--------------------------	--------------	-------	--------------------------	--------------	-------------------------------------

Thermal analysis as per DIN EN ISO 11357, Part 1/DIN 53765 (DSC measurement)

<input type="checkbox"/>	Date of test	Glass-transition temperature $T_G$ [°C]		Enthalpy [J/g]	
		$T_{G,H1}$	$\Delta T_G$	<input type="radio"/> exothermic	<input type="radio"/> endothermic
		$T_{G,H2}$			

Residual styrene content as per DIN 53394, Part 2 (GC)

<input type="checkbox"/>	Date of test	Qty. weighed in [mg]	Res. styrene content [mg/kg]	Res. styrene content [%]	Qty. weighed in referred to	
					Total weighed in	Pure resin
					<input type="radio"/>	<input type="radio"/>

**Evaluation of results**

Requirements	met	not met	Requirements	met	not met
Bending modulus of elasticity	<input type="radio"/>	<input type="radio"/>	Circumfer. mod. of elasticity	<input type="radio"/>	<input type="radio"/>
Bending stress	<input type="radio"/>	<input type="radio"/>	Initial ring stiffness	<input type="radio"/>	<input type="radio"/>
Wall thickness	<input type="radio"/>	<input type="radio"/>	24h creep tendency	<input type="radio"/>	<input type="radio"/>
Water tightness	<input type="radio"/>	<input type="radio"/>	Density	<input type="radio"/>	<input type="radio"/>

Remarks

Signature of Inspector/Head of Lab.

IKT Web-  
No.    - Please do not write in this space -