

Initial test

 Repeat test, for test report _____

Sampling information

Monitoring by Company	Name	Sampling Date	Time	Confirmation of sampling	
				Name	Signature

Sample identification

Client Material testing		Material ID			
Owner		Channel designation			
Building project		Sample designation			
Executing company		Date of installation			
Liner	Manufacturer	Condition of old pipe	<input type="checkbox"/> I	<input type="checkbox"/> II	<input type="checkbox"/> III
	Type				
Material	Resin	Sampling location	<input type="checkbox"/> Channel	<input type="checkbox"/> Start/End	<input type="checkbox"/> Intermediate
	Carrier				
Pipe geometry	<input type="checkbox"/> Circle <input type="checkbox"/> Egg	DN	<input type="checkbox"/> Top	<input type="checkbox"/> Middle	<input type="checkbox"/> Bottom
Film is an integral component	<input type="checkbox"/> yes <input type="checkbox"/> inside	<input type="checkbox"/> no <input type="checkbox"/> outside	Others		

Material tests to be carried out

Requested limit values

<input type="checkbox"/> Watertightness according to DWA-A 143-3, chapter 7.2.9	
<input type="checkbox"/> Three-point bending test according to DIN EN ISO 11296-4 Annex B, to determine flexural modulus of elasticity E , bending stress at first fracture σ_b , composite wall thickness e and total wall thickness h	$E \geq$ MPa $\sigma_b \geq$ MPa $e \geq$ mm $h \geq$ mm
<input type="checkbox"/> Initial specific ring stiffness according to DIN EN 1228, to determine the circumferential modulus of elasticity E_U and the initial ring stiffness S_0	$E_U \geq$ MPa $S_0 \geq$ N/m ²
<input type="checkbox"/> 24-hour creep test (three-point bending) based on DIN EN ISO 899-2	$Kn_{24h} \leq$ %
<input type="checkbox"/> 24-hour creep test (pipe) based on DIN EN 761	$Kn_{24h} \leq$ %
<input type="checkbox"/> Residual styrene monomer content according to <input type="checkbox"/> ISO 4901 or <input type="checkbox"/> DIN 53394-2, for UP resins by gas chromatography, based on the total weight	$\omega \leq$ %
<input type="checkbox"/> DSC measurement according to DIN EN ISO 11357-2, to determine the 1st and 2nd glass transition temperature	$T_{g1} \geq$ °C $T_{g2} \geq$ °C
<input type="checkbox"/> DMA according to ISO 6721-5, determination of storage modulus E' at room temperature	$E' \geq$ MPa
<input type="checkbox"/> Spectral analysis based on ASTM D5576 using FT-IR spectroscopy	
<input type="checkbox"/> Calcination method according to DIN EN ISO 1172, for determining resin, glass and filler content	Glass % Filler %
<input type="checkbox"/> Density measurement according to DIN EN ISO 1183-1	$\rho =$ g/cm ³

Note
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SBKS sample ID

Please leave blank