## LINER SAMPLE DELIVERY NOTE FOR MATERIAL TESTING

INIT	TIAL TEST	REI	PEATED TES	Τ	for Tes	t Report No.			
1. Sampling	data:								
Sample take		Test institute:							
Date / time:				Address:					
2. Comple is	lantification.								
Project:	dentification:			Material ID:					
Project owner / client:				Sample description:					
Cost centre:				Sewer line description:					
Installer firm:				Nominal diameter:					
Liner manufacturer:				Date installed:					
Carrier material:				Host pipe condition:		01	0	O III	
Resin material:				Sampling location:		O MH-MH line	O final MH	O interm. MH	
Pipe geometry:		Ocircular Oegg shape		Sampling position:		O crown	Ospringline	O invert	
	initial proper		ng to structur						
Flexural E-modulus <sub>D</sub>					tial E-modulus				
Bending stress <sub>at first break</sub>				Initial ring stiffne					
		ness <b>d</b> [mm]: on factor <b>A</b> <sub>1</sub> :			Maximum creep K <sub>N24</sub> [%]:				
	Reducti	on factor A <sub>1</sub> :		Density δ [g/cm³]:					
4. Test resu	lts:								
Flexural modulus, bending stress acc. to DIN EN ISO 178 24 h creep after DIN EN ISO 899-2									
	Date tested	E <sub>f</sub> [N/mm <sup>2</sup> ]	$\sigma_{fB}$ [N/mm <sup>2</sup> ]	h [mm]		Date tested	K <sub>N</sub> [%]		
<del>_</del>					_				
		Load type	O axial	O radial				•	
Circumf. E-r	nodulus, initia				24 h creep a	fter DIN EN 76		1	
	Date tested	E <sub>u</sub> [N/mm²]	S <sub>0</sub> [N/m <sup>2</sup> ]	h [mm]		Date tested	K <sub>N</sub> [%]		
Water tight	ness acco. to D	NN EN 1610							
water tigriti	Date tested		Test press	cure [har]		Test re	eult		
	Date tested	30 minutes	Tool proof	oure [bur]	O passed (tight) O failed (leaking)			aking)	
					, passa (		7	g <sub>j</sub>	
	method acc. to								
Date tested		Resin [%]	Total residues [%]		Glass content [%]		Additive [%]		
Cunatual au	alvaia aftar AC	TM D 5576 /FT	· ID)			Density	4a DIN EN IS	2 4 4 9 4 4 2	
Spectral and	alysis after AS  Date tested	EP resin	UP resin	VE resin	Other resin		to DIN EN ISO  Date tested		
	Date tested	EFTESIII	OF Tesili	VE Tesili	Other resin		Date tested	δ [g/cm <sup>3</sup> ]	
						ı			
Thermal analysis acc. to DIN EN ISO 11357-1 / DSC analysis DIN 53765 Method A									
Date tested		Glass transition tempera		ture [°C]		Enthalp	Enthalpy [J/g]		
		T <sub>G1</sub>		$\DeltaT_G$					
		$T_{G2}$		G	O exothern	nic	O endother	mic	
Posidual ch	vrono contont	acc to DIN Eas	304-3 (CC)						
nesiduai st	yrene content a		Residual sty-	Residual		Weight-in aug	ntity referred	to	
Date tested		quantity [mg] rene [mg/kg]		styrene [%]		Weight-in quantity referred to			
		quantity [mg]	initity [iiig] rene [iiig/kg] Styrene [///]		O Total quantity		O Pure resin		
					- i osai que	·····	<u> </u>		
5. Evaluatio	n of results:			_					
	Requirement	met	not met			Requirement	met	not met	
Flexural-E-modulus <b>E</b> <sub>f</sub>		0	0		Circumfer. E	-modulus <b>E</b> u	0	0	
Bending stress $\sigma_{fB}$		0	0		Initial rin	g stiffness $S_0$	0	0	
Wall thickness <b>d</b>		0	0			4 h creep K <sub>N</sub>	0	0	
Water tightness		0	0			Density δ	0	0	
6. Remarks:	:								
		-							

7. Signature of tester / lab: