

SPECIFICATION FOR ELECTRIC CABLES – Test description

	Part 1 Determination of the quantity of gaseous acid halides	Part 2 Determination of the toxicity index of the gases
Combustion	20°C/min to 800°C 20 min at 800°C ± 10°C	800°C ± 10°C
Time of combustion	1 hour	20 minutes
Air flow	110 cm ³ /min	120 l/hour

METHOD OF ANALYSIS OF EMISSION GASES

CO, CO₂	Analyzers and gas chromatography
HCl, HBr, HF, H₂S	Potentiometry by selective ion electrodes
SO₂	Acid Titulation
HCN, HCHO	Spectrophotometry
NOX, NH	Chemical luminescence
Acrylonitrile	Mass spectrometry

	LATENE 3 H2W-V0		LATAMID 68 H2-V0		LATAMID 66 H2 G/25-V0KB1		LATILON 28D G/30		KELON B FR H2 CEG/500 -V0CT3	
Certificate issued in date	02/05/1989		02/05/1989		02/05/1989		02/05/1989		19/06/1991	
	mg/g	ppm• 100g•m ³	mg/g	ppm• 100g•m ³	mg/g	ppm• 100g•m ³	mg/g	ppm• 100g•m ³	mg/g	ppm• 100g•m ³
Carbon dioxide	450	22960	475	24235	420	21430	1135	57910	280	14285
Carbon monoxide	52	4160	100	8000	60	4800	64	5120	51	4080
Hydrochloric acid	*	*	*	*	*	*	*	*	*	*
Hydrobromic acid	*	*	*	*	*	*	*	*	*	*
Hydrofluoric acid	*	*	*	*	*	*	*	*	*	*
Hydrogen cyanide	2	167	40	3330	36	3000	*	*	17	1416
Nitrous oxide (NO₂)	0.3	15	0.4	20	2	98	0.1	5	0.15	7.5
Sulphur dioxide	*	*	*	*	*	*	*	*	*	*
Hydrogen sulphide	#	#	*	*	*	*	*	*	*	*
Ammonia	*	*	2.4	316	1.5	197	*	*	5	658
Acrylonitrile	*	*	15	635	23	974	*	*	2	85
Formaldehyde	1.5	112	1.5	112	1.2	90	0.6	45	*	*

QUANTITY OF ACID HALIDES

Expressed as HCl (mg/g)	*	*	*	*	
Toxicity index	2.7	26.8	24.7	2.0	11.7

Legend

*absent

trace (<0.1 mg/g)

Note: Tests carried out the account of LATI by CSI Lab. - Viale Lombardia, 20 - 20121 BOLLATE (MI)

REMARKS

LATI does not guarantee that the data contained in this list are current, complete and error-free. To double check the values, users are kindly requested to contact LATI Technical Assistance or commercial network. LATI Industria Termoplastici S.p.A. declines all responsibility arising from any use of the information described in this document. Copyright © 1999 - 2001 LATI - All Rights Reserved