ERNI Electronics GmbH
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1.) Sample information

Material Identification:	**RG301 PBT/PBT GF30**
Testing Period:	22/June/2010 – 16/July/2010

2.) Applied analytical techniques

Sample preparation:	Pulverization/Homogenization of the sample material
Chromium, Lead, Cadmium:	Inductively coupled plasma atomic emission spectrometry acc. IEC 62321 Ed.1 after microwave digestion with nitric acid/hydrogen peroxide
Mercury:	Cold vapor atomic absorption spectrometry acc. IEC 62321 Ed.1 after microwave digestion with nitric acid/hydrogen peroxide
PBDE/PBB:	High resolution gas chromatography with mass-selective detector after soxhlet extraction with toluene acc. IEC 62321 Ed.1

3.) Analytical results

Parameter			Value	Limit according Directive 2005/618/EC	Comment
Cadmium (Cd)		mg/kg	< 1	100	
Lead (Pb)		mg/kg	< 10	1000	
Mercury (Hg)		mg/kg	< 0.5	1000	
Chromium, total (Cr)		mg/kg	59	1000	Hexavalent chromium, Cr (VI)
Bromine (Br)		mg/kg	50400	-	
PBDEs	Monobromo diphenyl ether	mg/kg	< 5	1000	Sum of polybrominated diphenyl ethers
	Dibromo diphenyl ether	mg/kg	< 5		
	Tribromo diphenyl ether	mg/kg	< 5		
	Tetrabromo diphenyl ether	mg/kg	< 5		
	Pentabromo diphenyl ether	mg/kg	< 10		
	Hexabromo diphenyl ether	mg/kg	< 10		
	Heptabromo diphenyl ether	mg/kg	< 10		
	Octabromo diphenyl ether	mg/kg	< 20		
	Nonabromo diphenyl ether	mg/kg	< 30		
	Decabromo diphenyl ether	mg/kg	< 50		
PBBs	Monobromo biphenyl	mg/kg	< 5	1000	Sum of polybrominated biphenyls
	Dibromo biphenyl	mg/kg	< 5		
	Tribromo biphenyl	mg/kg	< 5		
	Tetrabromo biphenyl	mg/kg	< 5		
	Pentabromo biphenyl	mg/kg	< 10		
	Hexabromo biphenyl	mg/kg	< 10		
	Heptabromo biphenyl	mg/kg	< 10		
	Octabromo biphenyl	mg/kg	< 20		
	Nonabromo biphenyl	mg/kg	< 30		
	Decabromo biphenyl	mg/kg	< 50		

Revision: A

Compliance List:
RoHS Directive 2002/95/EC
WEEE Directive 2002/96/EC
ELV Directive 2000/53/EC

Based on the performed tests on the submitted sample, the results **indicate no conflict** with the above directives and its subsequent amendments.

i. V. Günter Popp

Günter Popp
Director of Quality Management

Peter Deisenhofer

Peter Deisenhofer
Quality Management Engineer