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LABORATORY OF MATERIAL ENGINEERING AND ENVIRONMENT





# **REPORT No. 490/DLS/2012**

### Determination of phthalates content in sample of PVC foil ID: WB 160/48 (84/2012), delivered for testing by ERGIS-EUROFILMS S.A. ERGIS-EUROFILMS S.A.

Orderer:

Proiect: UP/DLS-13968/OR65

Dabrowskiego 2, 87-200 Wabrzeźno, Poland

Sample of PVC foil
WB 160/48 (84/2012)
490/12/P1



Date of delivery the object for testing: Date of beginning / completion of tests: Place of testing:

11.12.2012 11.12.2012 / 20.12.2012 Laboratory of Material Engineering and Environment

Confirmation of conformity/non-conformity with the requirements Sample number European Parliament and Council (EC) Regulation No. 1907/2006 for registration, assessment and authorization of chemicals (REACH) as regards phthalates content Total content of bis(2-ethylhexyl) phthalate (DEHP), dibutyl phthalate (DBP), benzylbutyl phthalate (BBP), below 0.1% in relation to the weight of material with plasticizers 490/12/P1 + Total content of diisononyl phthalate (DINP), diisodecyl phthalate (DIDP) and di-n-octyl phthalate (DNOP) is below 0.1% in relation to the weight of material with plasticizers

signs: "+"- conforming to the requirements "-" - not conforming to the requirements

Note: Confirmation of conformity with the requirements is based on a confidence level of 95% for the expanded uncertainty of measurement results on which the decision of conformity is based.

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Gliwice, 20.12.2012

/signature and stamp/

TEST REPORT CONTAINS THE RESULTS APPLICABLE ONLY TO THE TESTED OBJECT. KOMAG TAKES OBLIGATION TO KEEP IN SECRET THE TEST RESULTS AND WITHOUT ORDERER'S CONSENT KOMAG WILL NOT DISSEMINATE THE RESULTS THIS WILL NOT BE IN FORCE IF LAW REGULATIONS ARE DIFFERENT THE REPORT IS A LABORATORY PROPERTY AND ANY CHANGES AS WELL AS COPYING OTHERWISE THAN ENTIRE DOCUMENT CAN NOT BE MADE WITHOUT AUTHORS PERMISSION



#### Description of sample

Sample of blue, PVC foil.

Sample of foil taken and delivered by the Orderer.

# Scope and methods of testing

ltem	Tested parameters	Testing methods	Testing procedure and standard
1.	phthalates content	determination of concentration of the following phthalates: di-2-ethyl hexyl phthalate (DEHP), dibuthyl phthalate (DBP), benzylbutyl phthalate (BBP), diisodecyl phthalate (DIDP), di-n-octyl phthalate (DNOP), diisononyl (DINP) in the solvent extract from the sample material was realized by gas chromatography coupled with mass spectrometry	PB-DLS/12, 8 <sup>th</sup> edition; 2012
		determination of phthalates content by the computational method	

## Results

Item	Sample No.	Phthalate content [%]						
1.	490/12/P1	DEHP	U	DBP	U	BBP	U	
		< 0.05	-	< 0.05	-	< 0.05	-	
		DNOP	U	DIDP	U	DINP	U	
		< 0.05	-	< 0.05	-	< 0.05	-	

**Notice:** measurements uncertainty U is an extended uncertainty at confidence level 95% and extension coefficient k = 2, according to the IO-DLS/03 general instruction.

The results and their uncertainty refer only to the tested sample and not to the product batch/substance/ material the sample was taken from.

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### -END OF THE REPORT-