



APPLIED TECHNICAL SERVICES, INCORPORATED

1049 Triad Court, Marietta, Georgia 30062 • (770) 423-1400 Fax (770) 424-6415

CHEMICAL TEST REPORT

Ref. C135355 Rev.1***

Date March 2, 2009

Page 1 of 3

Customer: Formflex, 33 North Main Street, Bloomington, IN 47832

Attention: Dave Elliot/Brent Thompson

Purchase Order #: CC

Part #/Name: Various (See Test Results Table)

Material Designation: Polymeric material

Special Requirement: Samples prepared using microwave digestion techniques for lead analyzed.

ICP atomic emission techniques utilized to analyze for lead as per ASTM E1479-99(2005).

Lab Comment: GC/MS was used to identify and quantify the phthalate compounds according to ASTM D 7083 -04 *Standard Practice for Determination of Monomeric Plasticizers in Poly (Vinyl Chloride) (PVC) by Gas Chromatography*

Test Results

Composition: (parts per million)

Identification	Pb	DnBP	BBP	DEHP	DnOP	DINP	DIDP
<i>16 C.F.R. 1303 requirements for lead</i>	600	1000	1000	1000	1000	1000	1000
<i>CPSIA Subsection 108(a) requirement for phthalate</i>	Max.	Max.	Max.	Max.	Max.	Max.	Max.
P/N 7090 Black	421	—	—	—	—	—	—
P/N 2012 Par Blue	<6	—	—	—	—	—	—
P/N 6074 Red	<6	—	—	—	—	—	—
P/N 2017 Azure	<6	—	—	—	—	—	—
P/N 3462 Forest Green	<6	—	—	—	—	—	—
P/N 7160 Light Gray	<6	—	—	—	—	—	—
P/N 7083 Dark Gray	<6	—	—	—	—	—	—
P/N 4067 Bright Yellow	<6	—	—	—	—	—	—
P/N 8154 Ivory	<7	—	—	—	—	—	—

*N.D. – None Detected < 250 ppm: Di-n-Butyl Phthalate (DnBP), Butyl Benzyl Phthalate (BBP), Di-Ethyl Hexyl Phthalate (DEHP), Di-n-Octyl Phthalate (DnOP), Di-Isononyl Phthalate (DINP) and Di Isodecyl Phthalate (DIDP).

***Revision to included data from ATS Report C136269 per customer's request.

Prepared by:

D. M. McKay
Senior Chemist

Approved by:

P. E. Rogers
Manager



This report may not be reproduced except in full. This report represents interpretation of the results obtained from the test specimen and is not to be construed as a guaranty or warranty of the condition of the entire material lot. Measurement uncertainty available upon request where applicable.



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<i>16 C.F.R. 1303 requirements for lead CPSIA Subsection 108(a) requirement for phthalate</i>	600 Max.	1000 Max.	1000 Max.	1000 Max.	1000 Max.	1000 Max.	1000 Max.
P/N 5297 Beige	192	—	—	—	—	—	—
P/N 8099 White	<6	—	—	—	—	—	—
P/N 6192 Maroon	<7	—	—	—	—	—	—
P/N 2011 Blue	<6	—	—	—	—	—	—
P/N 5050 Brown	<8	—	—	—	—	—	—
P/N 6060 Red	<6	—	—	—	—	—	—
Clear HDPE	—	ND*	ND*	ND*	ND*	ND*	ND*
Clear Polypropylene	—	ND*	ND*	ND*	ND*	ND*	ND*

*N.D. – None Detected < 250 ppm: Di-n-Butyl Phthalate (DnBP), Butyl Benzyl Phthalate (BBP), Di-Ethyl Hexyl Phthalate (DEHP), Di-n-Octyl Phthalate (DnOP), Di-Isononyl Phthalate (DINP) and Di Isodecyl Phthalate (DIDP)

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<i>CPSIA Subsection 108(a) requirement for phthalate</i>	Max.	Max.	Max.	Max.	Max.	Max.	Max.
P/N 3037 Emerald	924**	—	—	—	—	—	—
P/N 6102 Bright Orange	3,900**	—	—	—	—	—	—
		—	—	—	—	—	—
PH23760005 Orange ⁽¹⁾	<8	—	—	—	—	—	—
FX3037R Emerald ⁽¹⁾	<7	—	—	—	—	—	—
		—	—	—	—	—	—
		—	—	—	—	—	—
		—	—	—	—	—	—

(1) Data taken from ATS C136269

**Verified by XRF

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