



Revised Approval Modification Program (RAMP) Acceptance issued to: Hydrocoil cc t/a Global Products			
Company:	Hydrocoil cc t/a Global Products	PAR No. :	110102
Attention:	Frans Viljoen	Co. Appl. Code No.:	778274
Address:	P.O. Box 10069 Strubenvale, 1570 SOUTH AFRICA	Acceptance No.:	IC-298/0

Item(s):	
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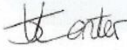

Description of Change(s): A red option for "Safety Guard" Hose Sleeve was added, and the black option was reformulated.

Title	Document / Testing Report
Datasheet 2-1	Testing Report - Red
Datasheet 2-2	Testing Report - Black
FRE08902B-1	Technical Document Spec Sheet
FRE08902B-2	Technical Document Formulation
T23-508	Technical Document Additive

Attachment(s)	
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Approved by: <i>Steph B U</i>	Date: 8-16-2016
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PAR No.: 110102	File No.: PS25880
Investigator: Daniel Dewey <i>Daniel Dewey</i>	Page 1 of 1

http://www.explolabs.co.za		
EXPLOLABS Explosion Prevention Services		T0104
(Pty) Ltd		
Reg No: 1999/027771/07 - VAT No: 438 018 7403 Government Approved Test laboratory 7 Spanner rd. PO Box 467 Olifantsfontein 1665		Tel: +27 (11) 316 4601 Fax: +27 (11) 316 5670 E- mail: admin-mgr@explolabs.co.za
ASSESSMENT AND TEST REPORT No XPL/17545/16.0748		
File Number	J17545	
Compiled by + signature	JL Venter	
Designation	Testing Officer	
Reviewed by + signature.....)	D Maree	
Designation	Senior Testing Officer	
Date of issue	31 May 2016	
Standards	SANS 60079-0: 2012 Ed 5/IEC 60079-0: 2011 Ed 6 Explosive atmospheres Part 0: Equipment — General requirements	
Code	N/A	
Applicant's name	GLocal Products	
Address	7 Zink Road New Era Springs 1570	
Applicant's reference	C.O.D	
Manufacturer	N/A	
Test Item Description	High Density Polyethylene	
Model/Type reference	HDPE	

Possible test case verdicts:

- test case does not apply to the test item: N / A
- test item does meet the requirement.....: Pass

General remarks:

The test results presented in this Ex Test Report relate only to the item or product tested.

- "(see Attachment #)" refers to additional information appended to this document.
- "(see appended table)" refers to a table appended to this document.
- Throughout this document, a point "." is used as the decimal separator.

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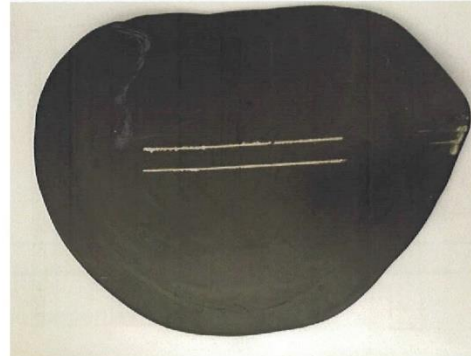
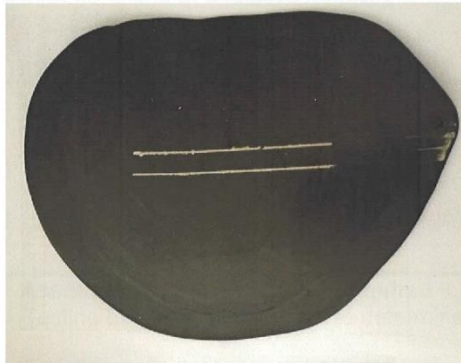


T0104

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1. GENERAL PRODUCT INFORMATION (DESCRIPTION):

Global products supplied high density polyethylene for static testing; the sample was black in colour.



2. MANUFACTURER'S DOCUMENTS SUBMITTED

Drg/Document No	Title/Description	No of Pages	Revision No	Date
	No documentation was submitted as part of this approval.			

SANS 60079-0: 2012 Ed 5/IEC 60079-0: 2011 Ed 6

Clause	Requirement – Test	Result – Remark	Verdict
7	Non-metallic enclosures and non-metallic parts of enclosures		
7.4	Electrostatic charges on external non-metallic materials		
7.4.1	Applicability	The material submitted for testing is not part of an enclosure. The materials were submitted for testing accordance 7.4.2.	N/A
7.4.2	Avoidance of a build-up of electrostatic charge on Group I or Group II electrical equipment	The sample submitted was tested in accordance with the requirements as set out in clause 26.13. As noted in this clause the maximum surface resistance permitted at 50%RH is 1000MΩ.	Pass
26	Type tests		
26.13	Surface resistance test of parts of enclosures of non-metallic materials		Pass

The sample were prepared for testing as follows:

The sample was cleaned with distilled water (99% purity) then with Isopropyl alcohol (99.8% Purity) and then with distilled water once more. The sample was then conditioned for a period of 24h at 23.1°C and at a relative humidity of 48.2%. The sample were removed from the conditioning chamber were after two conductive lines were painted on the

SANS 60079-0: 2012 Ed 5/IEC 60079-0: 2011 Ed 6			
Clause	Requirement – Test	Result – Remark	Verdict
	plastic sample (as detailed in this clause using a high purity silver paint). The sample was then again conditioned for a period of 24h at 23°C and at a relative humidity of 50.1%. The surface resistance of the sample was measured and the results were as followed:		
	Material: HDPE		
	Reading 1 : ≤ 1MΩ at 50.4%RH and 23.3°C		
	Reading 2: ≤ 1MΩ at 51.1%RH and 23.0°C		
	Reading 3 : ≤ 1MΩ at 48.9%RH and 23.2°C		

3. Assessment & Certification Required	Testing of the plastic material to determine the static properties.
4. CONDITIONS OF MANUFACTURE	Refer to Clause 23 of IEC/SANS 60079-0.
5. CONCLUSION	The sample(s) as described in Paragraph 3 above have COMPLIED with the requirements as set out in Paragraph 1.
6. VALIDITY	This report covers only the unit described in Paragraph 3 of this report. Other identical units will only be covered by: <ul style="list-style-type: none"> a. additional approvals covering all serial numbers, or b. approval of certified equipment under a product certification scheme accepted by the Department of Mineral Resources and/or the Department of Labour as relevant. This type approval report remains valid unless modifications are made to the equipment without obtaining prior approval.
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