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TEST REPORT

Job Number : 0803F021(2)

Date : 21-05-2008
Page 1 of 2

Sample Description : Plastic Bag Sample

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Sampling Done by : The above company

Receipt Date : 26-03-2008

Test Performing Date : 26-03-2008 to 21-05-2008

Nature of Test : Heat Aging and Tensile Test

Test Results :

I. Sample Description:

One piece of plastic bag sample was submitted by the client. The sample information is shown as follows:

Sample ID	Sample Description
A	HARRIS TEETER HDPE BAG with P-Life dosage Thickness: 0.0115mm

II. Objective:

Evaluation of degradation performance of the submitted plastic sample in accordance with ASTM G154 and D3826.

III. Equipment:

1. Thermal Degradation Test
Equipment: Conditioning Oven at 70 °C
2. Tensile Test
Equipment: LLOYD LR 10K plus

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Nature of Test : Heat Aging and Tensile Test

Test Results :

IV. Result:

Sample A

Thermal-degradation of Sample A

Exposure under 70 °C (Day)	Percentage Elongation at break
0	96.14
12	60.63
28	33.71
48	0.18

V. Conclusion:

Sample A

From the result of the Thermal-degradation test by conditioning oven. The plastic sample A conforms to the degradation requirement of ASTM D3826 (degraded to 5% elongation at break) under 70°C for a period of 45.0 days.

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0803F021(2) Annex

Graphical Representation of Tensile Properties of Sample A under 70 °C

