

TEST REPORT

REPORT NO : 2016PC0647

PAGE NO : 1 OF 3

This Test Report refers only to samples submitted by the applicant to SIRIM QAS International Sdn. Bhd. and tested by SIRIM QAS International Sdn. Bhd. This test report shall not be reproduced, except in full and shall not be used for any purpose by any means or forms (including but not limited to advertising purposes) without written approval from Managing Director, SIRIM QAS International Sdn. Bhd. Please refer overleaf of Page 1 for Conditions Relating To The Use of Test Report.

Applicant : HONG YIK MARKETING SDN. BHD.
Lot 7508, Jalan Batu Tiga, Bukit Cherakah
Kg. Baru Subang
40150 Shah Alam
Selangor Darul Ehsan

Manufacturer : KM PLASTICS TECHNOLOGY SDN. BHD.
No. 14, Lorong Seruling 3
Kawasan Perindustrian Valdor
14200 Sungai Jawi
Pulau Pinang

Product : HYP Groove Line

Reference Standard : Please refer to Page 2

Description of Sample : Ten (10) pieces of test specimens were received on 28 July 2016.

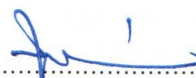
Date Received of Complete Application : 3 August 2016

Job No. : J20161460342

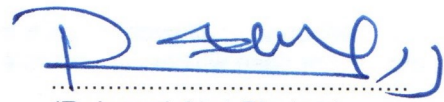
Description of Test Results : The test result of the submitted test sample is described in Page 3 of this test report.

Issued Date : 30 August 2016

Approved Signatory:


.....
(Nomaizura Zakaria)
Testing Executive

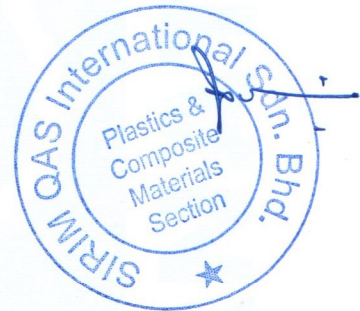



.....
(Rahmad Abd Shukor)
Head
Plastics and Composite Materials Section
Testing Services Department

This Test Report refers only to samples submitted by the applicant to SIRIM QAS International Sdn. Bhd. and tested by SIRIM QAS International Sdn. Bhd. This test report shall not be reproduced, except in full and shall not be used for any purpose by any means or forms (including but not limited to advertising purposes) without written approval from Managing Director, SIRIM QAS International Sdn. Bhd. Please refer overleaf of Page 1 for Conditions Relating To The Use of Test Report.

Reference Standards:

1. ISO 105: A05: 1996 – Textiles – Tests for Colour Fastness – Part A05: Instrumental Assessment of Change in Colour for Determination of Grey Scale Rating
2. Company's Specification:
 - i) Heat Aging Resistance:
The visual appearance, discoloration and change in dimension of the sample after being exposed to 50°C for 30 days (720 hours) are to be recorded upon completion of exposure.
 - ii) Acid and Alkaline Resistance:
The change in weight of the sample is to be recorded after being immersed in buffer solution (alkaline) and in acetic acid for 24 hours.



This Test Report refers only to samples submitted by the applicant to SIRIM QAS International Sdn. Bhd. and tested by SIRIM QAS International Sdn. Bhd. This test report shall not be reproduced, except in full and shall not be used for any purpose by any means or forms (including but not limited to advertising purposes) without written approval from Managing Director, SIRIM QAS International Sdn. Bhd. Please refer overleaf of Page 1 for Conditions Relating To The Use of Test Report.

Results:

HYP Groove Line

No.	Property	Result/Observation	Test Method
1	Heat Aging Resistance		<u>Company's Specification and ISO 105: A05</u>
	a) Grey Scale Rating*	4.5	Temperature: 50°C Duration: 30 days (720 hours)
	b) Change in Dimension, %		
	i) Width	0.35	
	ii) Length	0.59	
	c) Visual Physical Appearance	No abnormalities were observed	
2	Acid Resistance - Change in Weight, %	+ 0.95 [#]	<u>Company's Specification</u> Immersion in Acetic acid for 24 hours
3	Alkaline Resistance - Change in Weight, %	+ 0.52 [#]	<u>Company's Specification</u> Immersion in Buffer solution for 24 hours

Note:

- 1) * On the gray scale, 5 indicates that next to no colour was lost and 1 indicates that most colour was lost.
- 2) # Negative (-) value indicates decrease in weight and positive (+) value indicates increase in weight.

