Al Futtaim Element Materials Technology Dubai L.L.C.
Plot 598-221, Dubai Investments Park 1,
PO Box 34924, Dubai, United Arab Emirates

P. +971 (0)4 885 4001
F. +971 (0)4 885 4004
info.dubai@element.com
element.com

REPORT OF TESTS

Description	Polyethylene Sheet – 500 Gauge		
Tested for	Maple Leafe Plastic Industry LLC, Dubai Industrial City, Phase 2, WH# O-16, Dubai, UAE		
Lab Ref. No.	WR22-04526 (Page 1 of 3)	Request No.	D22-03934
Date Received	12.09.2022	Date Reported	14.09.2022

Client's reference : DQ37644, Requisition dated 12.09.2022
Sampling Date : Not Given
Sampled By : Client

1.0 Introduction

Further to the test work instructions received from M/s. Maple Leafe Plastic Industry LLC, Dubai Industrial City, dated 12.09.2022, one sample of Polyethylene Sheet – 500 Gauge provided has been tested for the following by Al Futtaim Element Materials Technology Dubai (L.L.C)

1.1 Thickness
1.2 Density
1.3 Tensile Strength & Elongation
1.4 Tear Resistance

2.0 Sample Reference

Sample reference	Polyethylene Sheet – 500 Gauge
Source	Maple Leafe Plastic Industry LLC, Dubai Industrial City
AFE No.	D22-03934/1
Sample submitted by	Client

3.0 Results

Results are given on the attached sheets.

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PO Box 34924, Dubai, United Arab Emirates

Results

Sample Reference: Polyethylene Sheet – 500 Gauge
AFE Sample No. D22-03934/1

3.1 Thickness

Test Method: ASTM D6988-03

Test	Results (mm)	Average (mm)	Average (Micron)
Thickness	0.126, 0.124, 0.125, 0.125, 0.127 0.127, 0.125, 0.125, 0.126, 0.125	0.126	126

3.2 Density

Test Method: ASTM D792 - 13

Test	Results
Density	992 kg/m^3

3.3 Tensile Strength & Elongation

Test Method: ASTM D638-14

Test Ref.	Tensile strength (N/mm^2)	Elongation (%)
	Longitudinal	
1	34.5	586
2	36.6	578
3	31.1	544
4	30.7	568
5	33.9	572
Average	**33.4**	**570**

Test Ref.	Tensile strength (N/mm^2)	Elongation (%)
	Transverse	
1	25.4	670
2	28.0	686
3	29.5	704
4	28.5	716
5	26.1	680
Average	**27.5**	**691**

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Results

Sample Reference: Polyethylene Sheet – 500 Gauge
AFE Sample No. D22-03934/1

3.4 Tear Resistance

Test Method: ASTM D624-2000

Test Ref.	Thickness (mm)	Load (N)	Longitude Direction
			Tear Resistance (N/mm)
1	0.128	14.7	114.8
2	0.126	14.8	117.5
3	0.127	15.9	125.2
4	0.124	14.7	118.5
5	0.125	15.4	123.2
Average			119.8

Test Ref.	Thickness (mm)	Load (N)	Transverse Direction
			Tear Resistance (N/mm)
1	0.127	15.5	122
2	0.125	14.8	118
3	0.128	13.1	102
4	0.126	12.7	101
5	0.125	15.6	125
Average			114

Zaheer Ahmad
Lab Manager Site

For and on behalf of Al Futtaim Element Materials Technology Dubai (L.L.C)
Tested by: SSK/SH, Date tested: 12.09.2022
Sampled by the client, certificate of sampling was not given.

Al-Futtaim element
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54924, Dubai, United Arab Emirates