



TISTR

Request No. 2332/520715

TPC. No. 2332/52

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## REPORT ON TESTING AND ANALYSIS

For

NEOTECH INSPECTION & CHEMICAL CO., LTD.

301 Soi Phrayasuren 3 Phrayasuren Rd., Bangchan, Klongsamwa, Bangkok 10510

Testing/analysis of:- **Plastic film ; code : PE + NYLON + PE COEXTRUDE FILM 60 Micron (0.06 mm) Size 2 x 4 m**

Method of testing/analysis:-

1) ASTM D 882 - 02	Tensile Properties of Thin Plastic Sheeting
2) ASTM F 88-00	Seal Strength of Flexible Barrier Materials.
3) ASTM D 1922-03a	Propagation Tear Resistance of Plastic Film and Thin Sheeting by Pendulum Method

Condition of testing/analysis:- Temperature  $27 \pm 1$  °C Relative humidity  $65 \pm 2$  %

Result of testing/analysis:-

As attached

*Wichit*

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<b>Tensile strength, kgf/cm<sup>2</sup></b>	
- Machine direction	289
- Cross direction	264
ยืด	
<b>Elongation, %</b>	
- Machine direction	488
- Cross direction	507
<b>Seal strength, kgf/25.4 mm width</b>	3.07
ความต้านทานฉีกขาด	
<b>Tear resistance, gf</b>	
- Machine direction	70.5
- Cross direction	139

Note: 1) Tensile strength and elongation test:

- Initial grip separation : 50 mm
- Crosshead speed : 500 mm/min
- Specimen width : 25.4 mm
- Number of specimen/direction : 5
- Test equipment : Universal testing machine; Instron model 1123

2) Seal strength test:

- Initial grip separation : 50 mm
- Crosshead speed : 275 mm/min
- Specimen width : 25.4 mm
- Number of specimen : 10
- Test equipment : Universal testing machine; Instron model 1123

Tested/analysed by

*Wichit Rattanatanakiti*

Examined by

(Mr. Phaisak Anannukul)

Research Officer 9

Approved by



for (Mr. Sakhee Sansupa)  
Director

THAI PACKAGING CENTRE

**TISTR**

Date July 27, 2009

Remark: The above results are valid exclusively for tested/analyzed samples as mentioned in this report.

Publicity of the results on testing and analysis is prohibited unless written permission is obtained from the governor of TISTR

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