



Request No. 1153/660224

TPC. No. 1153/66

REPORT ON TESTING AND ANALYSIS

For

PREPACK THAILAND CO.,LTD.

30/145 Moo 1, Khok Kham, Muang Samutsakhon, Samutsakhon 74000

Testing/analysis of:- Plastic film; code: ONYLON/LLDPE

Method of testing/analysis:- 1) ASTM F 1249-20 Water Vapor Transmission Rate Through Plastics Film and Sheeting Using a Modulated Infrared Sensor

2) ASTM D 3985-17 Oxygen Gas Transmission Rate Through Plastic Film and Sheeting Using a Coulometric Sensor

Condition of testing/analysis:- Temperature - °C Relative humidity - %

Date of request:- February 24, 2023

Date of testing:- March 14-28, 2023

Result of testing/analysis:-

Water vapor transmission rate 2.65 g/m².day
at 37.8 °C , 90.0 % RH

Oxygen gas transmission rate 65.3 cc/ m².day
at 23.0 °C , 0 % RH

Note: 1) Water vapor transmission rate test:

- Test equipment: Water vapor permeation tester; MOCON PERMATRAN-W[®] 3/33

2) Oxygen gas transmission rate test:

- Test equipment: Oxygen permeation tester; Illinois model 8101e

Tested/analysed by

Gansuda

(Miss Gansuda Wangchanachai)

Approved by

Wichit R.

(Mr. Wichit Rattanathawornkiti)

Director of Packaging Testing Laboratory

Date April 12, 2023

End of Report

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

Publicity and reproduce some parts are prohibited unless written permission is obtained from TISTR.

FS-PKL-SP-17025-04 Issue No.3

Thailand Institute of Scientific and Technological Research

Head Office

35 Moo 3, Technopolis, Tambon Khlong 5, Amphoe Khlong Luang,

Pathum Thani 12120,Thailand

Tel. (662) 577 9000 Fax. (662) 577 9009

E-mail: tistr@tistr.or.th Website : www.tistr.or.th

Thai Packaging Centre

196 Phahonyothin Road, Chatuchak,

Bangkok 10900, Thailand

Tel. (662) 579 1121-30 Fax. (662) 579 7573

E-mail: tpc-tistr@tistr.or.th Website : www.tistr.or.th/tpc