



TEST REPORT

Trans Pacific Textile (M) Sdn. Bhd.

Test Report No:

SINH20800570

Test Report

Company Name & Address	Honsin Apparel Sdn. Bhd. 531 Batu 2 ½ Jalan Kluang, 83000, Batu Pahat, Johor Darul Takzim, Malaysia.
Product/Model(s)	ProXmask Filter
Standard/Specification(s)	Particle Filtration Efficiency (PFE) ASTM F2100/F2299
Date of Report	17 August 2020
Test Report Number	SINH20800570

This report is made on the basis of information and data from original report results.

Prepared by

Dr Zetty Azalea

R&D Chemist



TEST REPORT

1. Particle Filtration Efficiency (ASTM F2299)

Test description:

This face mask was tested based on the method for determining particle filtration efficiency described in ASTM F2299 Standard. Mono-dispersed polystyrene latex (PSL) particles were generated and flowed through the test channel at a face velocity of about 5.33 cm/s over an area of about 62.5 cm². The average number of particles that flowed through the test channel without the mask (control count), and the average number of particles that penetrated the mask when it was present (penetrated count) were measured using a laser particle counter. The particle filtration efficiency of the mask was derived from the ratio of the penetrated count to the control count.

Sample Description:

ProXmask filter

Result:

Sample	Test particle size, μm	Particle filtration efficiency (%)
1	0.1	95.7
2	0.1	96.3
3	0.1	97.0
4	0.1	97.1
5	0.1	96.5

The masks were able to filter out 0.1 μm particle size by average 96.5%.