

NINGBO YUNHAI CLEANING PRODUCTS CO., LTD

1001, YUJIA VILLAGE, GULIN TOWN, HAISHU DISTRICT NINGBO, ZHEJIANG, CHINA

The following sample(s) was/were submitted and identified on behalf of the client as:

Sample Description : (A)Fabric (Plastic Raincoat)

Composition : (A)CPE

Sample Color : (A)Blue

Manufacturer : NINGBO YUNHAI CLEANING PRODUCTS CO., LTD

Proposed Care Instruction : -

Test Performed : Selected test(s) as requested by applicant

Sample Receiving Date : Apr 17, 2020

Testing Period : Apr 17, 2020 - Apr 24, 2020

Test Result(s) : Unless otherwise stated the results shown in this test report refer only to the sample(s) tested, for further details, please refer to the following page(s).

Signed for and on behalf of

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd Testing Center



Hattie Chen (Account Executive)

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Test Result

**Protective Clothing – Protection Against Rain**

(EN 343:2019)

**Clause 4.2 Resistance to Water Penetration of Material**

(EN ISO 811:2018; Hydrostatic Head; Rate of increase of water pressure: 980+50Pa/min, temp. of distilled water: 20°C, Face Side Facing Water)

(A)	No. 1	No. 2	No. 3	No. 4	Minimum
Water Column(Pa)	>8000	>8000	>8000	>8000	>8000

Recommended Class : Class 1

Remark: Material before pretreatment: Class 1:  $W_p \geq 8000$ Pa; Class 2: no test required; Class 3: no test required; Class 4: no test required.

**Clauses 4.3 Water Vapour Resistance**

(EN ISO 11092:2014; Test Conditions:

1. Air temperature: 35.0±0.1°C
2. Relative humidity: 40±3%
3. Air speed: 1.0±0.05 m/s
4. Temperature of hotplate: 35.0±0.1°C
5. Orientation of test specimen: Specimens lied flat across the measurement unit with the side normally facing the human body towards the measuring unit. Fabric back side (skin contact side) is in contact with hotplate.)

	Unit	(A)
Max. Water-vapour Resistance (Ret)	m <sup>2</sup> ·Pa/W	116

Recommended Class : Class 1

Remark:

1. Water-vapour resistance  $R_{et}$ , a quantity specific to textile materials or composites, determines the latent evaporative heat flux across a given area in response to a steady applied water-vapour pressure gradient.
2. The evaporative heat flux may consist of both diffusive and conductive components.
3. The lower the evaporative resistance, the easier the water vapour transmission and more comfortable the clothing should be to wear.
4. Classification: Class 1:  $>40$ m<sup>2</sup>·Pa/W; Class 2:  $25 < R_{et} \leq 40$ m<sup>2</sup>·Pa/W; Class 3:  $15 < R_{et} \leq 25$ m<sup>2</sup>·Pa/W; Class 4:  $\leq 15$ m<sup>2</sup>·Pa/W

\*\*\*End of Report\*\*\*



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