



# MATERIAL DATA SHEET

ISO 9001



CERTIFIED

## Material:

### Screen protector N022

#### Product description:

Nano PET explosion-proof screen protector has best anti-beat and anti-burst feature to protect your phone safe, can be called the phone body armor.

Function: HD, anti-scratch, anti-fingerprint, anti-oil

Usage: The screen protector for all mobile phones, tablets, laptop, smart watch, Car navigator, camera, PSP, PC, etc.

#### Product construction:

	Type	Thickness (mm)
First layer (protective layer):	PET protective film (blue/red/black, etc.)	-
Second layer (layer):	PET HD Anti-scratch (3~5H)	-
Third layer (using layer):	AB double-sided adhesive	-
Fourth layer (protective layer):	PET Release Liner (transparent/Black)	-
Total thickness excluding liner	-	0,22

#### Adhesive Performance:

Thickness:	0.22mm
Haze:	Max.1.5%
Hardness:	3H / 5H
Light Transmittance:	Min.92%
Adhesion power:	0.01~0.06N/25mm

#### Colours:

Black / White / Red / Transparent

#### Features:

1. Anti-shatter, anti-scratch, anti-fingerprints, anti-oil, abrasion resistant and no bubbles.
2. HD Clear, high light transmittance and improve.
3. Easy to attach, re-attach and auto repair.
4. 0.22mm, precious cuts for your screen, speakers, sensors and other parts.
5. Preventing oxidation and anti-corrosion.
6. Long service life time, good resistance to weak acid and weak alkaline, can be repeated used after neutral detergent cleaning.
7. Precise and smooth recognition of pen touch.
8. Material flexibility allows total coverage even on curved devices.

#### Advantages compare with tempered glass:

1. High strength anti-explode and anti-break.
2. With transparency, abrasion resistance and air permeability.
3. Anti-scratch, anti-stain, anti-fingerprint, anti-oil.
4. No residue, high-performance exhaust, easier to paste.
5. It will not caused screen edge/corner breakage or finger scratch problem.
6. 0.22mm thick, which ensure huge sensitivity and smooth touch feeling.
7. It is clear and virtually visible on your screen, looks bright and colorful.
8. It can be used in all mobile phone models while tempered glass just used in some models.
9. More simple production process.
10. Longer service lifetime.



PERLON, spol. s r. o.  
Barčianska 66  
040 17 KOŠICE

Tel.: ++ 421 55 678 50 79  
Fax: ++ 421 55 678 50 83  
E-mail: perlون@perlون.sk

TATRA BANKA, BIC (SWIFT): TATRSKBX  
Číslo účtu: 262 071 8071 / 1100  
IBAN: SK33 1100 0000 0026 2071 8071

IČO : 31728685  
DIČ : 2020488976  
IČD : SK2020488976

**Recommendations for use:**

1. Teenagers
2. People who use mobile phones more than 1 hour per day.
3. Workers who use computer for a long time.
4. Office workers.
5. Children and the elderly who like watching TV.

**Test methods:**

Where possible PERLON uses internationally recognised test methods in order to obtain the results given here. However, as not all test methods have been standardised, PERLON carries out certain tests in accordance with its own criteria. In order for our clients to be able to interpret these results, copies of the test methods used by PERLON, are available on simple request.

**Storage conditions and shelf-life**

We recommend that this product be stored in the following conditions: temperature between 19 and 25°C and relative humidity between 50 and 60%. Under these conditions the product may be stored in its original packaging up to 12 months. Palletised adhesives should not be stacked.

**Important:**

The information given on this data sheet is the result of our experience and laboratory tests. However, as end-user conditions, even the most common ones, differ greatly, we recommend that our products be tested for the particular applications envisaged. This document should not be reproduced without written permission from PERLON.

