



TEMPORARY PRODUCT INFORMATION

Product

FC 338/04 (Co-Ex film)

Article Number

Poleg: ZGV80

Description of the Product

Film:	Polyolefin
Color:	Transparent
Thickness:	80 ^{+2/-2} μ
Peel adhesion to Expanded PVC (#1212):	0.9 ^{+0.30/-0.20} N/cm

Technical Data

Note: Technical data refers to measurements immediately after production

Tensile strength at Break	
Machine direction (MD):	>24 N/mm ²
Transverse direction (TD):	>18 N/mm ²
Elongation at break	
Machine direction (MD):	>620%
Transverse direction (TD):	>500%

Application

- The film **FC 338/04 80μ** is designed to adhere to various types of surfaces implementing Anti-microbial technology.
- The adhesion strength depends on the surface.
- Long term Anti-microbial efficacy- Active Anti-microbial component is effective for the intended lifetime of the film, doesn't wear or leach out.
- Durability of the film after the lamination usage: up to 30 days or less in case of damage.

Application Conditions

The recommended surface temperature for lamination is 23°- 80°C.
In winter time, when cold weather: Store the rolls in the production hall for at least 24 hours before lamination process.

Anti-microbial Protection for FC338/04

Bacterial activity reduction of <i>Escherichia coli</i>	Tested according to ISO 22196 (1040600.125/14559)	≥ 99.99% during 24h of contact time
Bacterial activity reduction of <i>Staphylococcus aureus</i>		≥ 99.94% during 24h of contact time
Viral activity reduction of Human Coronavirus HCoV-229E	Tested according to ISO 21702 (R2012FSADD009)	≥ 96 % during 12h of contact time ¹ ≥ 80 % in compare with untreated film
Viral activity reduction of SARS-COV-2*	Tested according to ISO 21702 (Ref. 2100016/04)	≥ 73 % during 4h of contact time
Against moisture:	very good	

Antimicrobial film compared to the initial virus concentration T₀.¹



Resistance

Against oil:	very good
Against solvents:	very good
UV resistance:	Indoor/Outdoor application- Max. 1 month

Storage Conditions

Keep in a cool dry place away from sources of heat and UV light Recommended temperature 10°- 30°C.

Storage time: max. 12 months after production date.

* Antimicrobial effectiveness against SARS-CoV-2 has been confirmed by an external laboratory, tested according to ISO standard 21702:2019.

The reduction of the virus strain SARS-CoV-2_COV2019 ITALY/INMI1 on a POLIFILM treated polyethylene film with antimicrobial properties (Ref. 2100015/01) is

- ≥ 90 % during 30 min of contact time antimicrobial film compared to the initial virus concentration T_0 .
- ≥ 98 % during 2h of contact time antimicrobial film compared to the initial virus concentration T_0 .

This declaration applies exclusively to the film manufactured by POLIFILM and tested externally, if the product is modified, the effect may be reduced.

Note: The data and recommendations are given in good faith, on the basis of practical experience, but without warranty.

The customer should carry out his own tests to confirm the usefulness of the product for the application under consideration.

The technical data could have tolerances of up to 15%.

14/03/2021

** This Technical Data Sheet is based on short production of sample produced for customer and exact values will be determined after commercial productions.