

TECHNICAL DATA SHEET

PPblis 3C190

PPblister 3C190 Films are made from PP and COC resin through co-extrusion and calendering process as well. It is well suitable for thermoforming as pharma, nutraceutical and medical device packaging application. It is plasticizer free, non-halogens, recyclable, reusable and sustainable as well. It is high barrier to moisture. It is RIC5 and 3Rs(reduce, reuse and recycle). It is much better to be used as tablets and capsules blister packaging.

Product

Type	PPblis 3C190 PP30/COC190/PP30
Color	Glassclear
Surface	Glossy/glossy
Form	Roll

Specification

Sr.	Item		Unit	Specification
1	Appearance		NA	Uniform color, not convex, wrinkle, oil, foreign matter, perforation, impurity
2	ID	IR	NA	PP film should be in accordance with the reference spectrum
		Density	g/cm ³	0.99~1.00
3	Thickness		μm	specified ± 10%
4	Width		mm	width ± 0.5mm
5	WVTR		g/m ² .24h	≤ 0.35
6	OTR		cm ³ /m ² .24h. 0.1MPa	≤ 100
7	Tensile strength		MPa	≥ 45
8	Impact strength		%	MD/TD ≤ 40% broken
9	Heat shrinkage		%	≤ ± 6%
10	Bond strength, PP side with x-Seal PTP foil, 180℃, 5kg, 0.5Sec		N/15mm	≥ 7.0
11	Residual of Oxide		ml	≤ 1.5
12	Non volatile matters	water	mg/100ml	≤ 30
		65% ethanol	mg/100ml	≤ 30
		n-hexane	mg/100ml	≤ 30
13	Heavy mental		PPM	≤ 1
14	Ba		NA	not turbid
15	Limited Microbe	Microbe	cfu/100cm ²	≤ 1000
		Mildew	cfu/100cm ²	≤ 100
		Coliform	NA	Non detected
16	Toxic		NA	Non toxic

Other properties

- GSM $247.5 \pm 10\%$ (for 3C190)
- Thermoforming temperature range 120~160 °C
- Heat sealing temperature: 150~ 200°C
- The existing mold is no need change

Regulatory

- Complies with the requirements of the European Pharmacopeia and with the Commission Regulation (EU) No. 10/2011.
- Complies with the relevant US Code of Federal Regulations CFR 21 and with the US Pharmacopeia where applicable.
- Complies with the requirement of China CDE/NMPA
- Production and quality control according to cGMP

Storage condition

No exposure to direct sunlight. Storage temperature 18-30°C and 40~65% RH. We recommend the film to be re-tested within 18 months with original packaging from the production date.

Declaration

All the above data and information represent the current state of our knowledge. It is given in good faith but without any guarantee. It is responsibility of the user to ensure that the product complies with his requirement and with any legislation related to its use.

Effective on: May 2023