

ALUMINIUM PLAIN FOIL – TECHNICAL DETAILS

Zeon™ is a non toxic heat seal Lacquer coated aluminium lid foil for pharmaceutical packaging application. It provides strong, airtight seams & closures. These coatings are compatible to seal with PVC side of a multilayered blister film.

“Zeon ” is available in both plain and printed form.

Applications

Zeon is ideal liding foil for PVC based substrates.

	Pinhole count	Foil Guage	Heat sealability with	Coating weight	Heat Resistance property	Protective Coating in printed products	cGMP & Product Security
Bilcare Offers	18-20 micron <5 nos. max. Above 20 micron zero	±4-6%	Rigid PVC Film	4 to 6 / 6 to 8 gsm	upto 230°C	Additional protection to avoid blackening on PVC/PVdC side	Manufacturing site Conformance to Class-1,00,000 (ISO class-8)

Salient features

- Excellent sealability with thermoformable PVC film.
- 100% barrier against watervapour, Gases, Light including UV light etc.
- Highly hygienic, inert & germ free.
- Non-toxic (both Heat seal medium & Aluminium foil).
- Excellent thermal conductivity.
- Active drug master with USFDA.
- High Corrossion resistance.
- High chemical resistance.
- Tasteless & odourless.
- Ductile & foldable.
- Excellent utility & Convenience to carry.
- Excellent Printability.
- Meets international standards.

Technical Data Sheet –

No.	Parameter	Method	Unit	Specification			
				Zn 018	Zn 020	Zn 023	Zn 025
1	Thickness of aluminum foil	EN-546-3	microns	18±6%	20±6%	23±6%	25±6%
2	Pinholes	EN-546-4	number/meter ²	5 max.	5 max.	Pinhole free	Pinhole free
3	Elongation	EN-546-2	%	1 min.	1 min.	1 min.	1 min.
4	Tensile Strength	EN-546-2	Kg/cm ²	1450 min.	1450 min.	1450 min.	1450 min.
5	Ink Adhesion Test	In house	---	Complies to specifications	Complies to specifications	Complies to specifications	Complies to specification
6	Average Coating GSM	In house	GSM	4 to 6/6 to 8	4 to 6/6 to 8	4 to 6/6 to 8	4 to 6/6 to 8
7	Heat Sealability Test (with PVC at 180°C for 1sec.)	In house	kg/cm	0.3 min.	0.3 min.	0.3 min.	0.3 min.
8	Odor Absence Test	In house	---	Complies to specifications	Complies to specifications	Complies to specifications	Complies to specification
9	Fume Absence Test at 200°C	In house	---	Complies to specifications	Complies to specifications	Complies to specifications	Complies to specification
10	Leak Test after blister formation	In house	---	No leakage	No leakage	No leakage	No leakage
11	Toxicity Test	USP	USP	Non-toxic	Non-toxic	Non-toxic	Non-toxic
12	Volatile content by Head space GC.	In house	ppm	Complies to specifications	Complies to specifications	Complies to specifications	Complies to specification

- Storage and handling instructions are important to achieve best result. (below 30°C, 60% Rh)

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