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BOPP and BOPET technical data
BOPET 薄膜 — 技术数据

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APIG-BOPP-BOPET-DATA-2026	**Rev. 2.0**	**2026-11-09**	**Technical Data / 技术数据**

1 • DOCUMENT INFORMATION 文档信息

Item 项目	Description 说明
Document type 文件类型	Technical Data / 技术数据
Subject 主题	BOPP and BOPET technical data
Specification basis 规格依据	APIG product specification 亚太工业集团产品规格
Issue 签发	2026-11-09 · Rev. 2.0
Language 语言	Bilingual headings — English / 中文

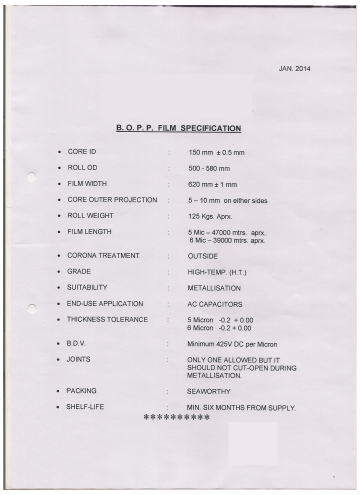
2 • TECHNICAL CONTENT 技术内容

Product / packing view 1 产品 / 包装实拍 1

3 • NOTES 说明

This document states the standard specification of the product. Values apply to the grades listed here; the tolerance range agreed in the order confirmation and the technical agreement prevails for any specific order. Batch test records are issued with the goods on request.

PHOTOS 实拍图片



JAN. 2014

B. O. P. P. FILM SPECIFICATION

- CORE ID : 150 mm ± 0.5 mm
- ROLL OD : 500 - 680 mm
- FILM WIDTH : 620 mm ± 1 mm
- CORE OUTER PROJECTION : 5 – 10 mm on either sides
- ROLL WEIGHT : 125 Kgs. Aprx.
- FILM LENGTH : 5 Mic – 47000 mtrs. aprx. 6 Mic – 39000 mtrs. aprx.
- CORONA TREATMENT : OUTSIDE
- GRADE : HIGH-TEMP. (H.T.)
- SUITABILITY : METALLISATION
- END-USE APPLICATION : AC CAPACITORS
- THICKNESS TOLERANCE : 5 Micron -0.2 + 0.00 6 Micron -0.2 + 0.00
- B.O.V. : Minimum 425V DC per Micron
- JOINTS : ONLY ONE ALLOWED BUT IT SHOULD NOT CUT-OPEN DURING METALLISATION.
- PACKING : SEAWORTHY
- SHELF-LIFE : MIN. SIX MONTHS FROM SUPPLY.

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Performance for silver metallized bopp & bopet capacitor film

NO.	Item		unit	index						
				Metallized polypropylene film				metallized polyester film		
1	The nominal thickness		μm	<4	4～6	7～12	>12	<8	8～12	13～20
2	allowable thickness tolerance		%	±10	±9	±8	±7	±9	±7	±5
3	tensile strength (vertical)		MPa	≥100				≥180	≥170	≥150
4	heat shrinkage	longitudinal	%	≤5				≤4	≤4	≤3
5	Electric strength	average value	VDC/μm	≥330	≥350	≥370	≥400	≥240	≥240	≥240
6	square resistance	aluminum	Ω/□	2～4						
		Zinc aluminum thickened side		2～4						
		Zinc aluminum Non thickened side		6～10						
7	metal layer adhesion		—	etal layer should be firm, non shedding phenomenon.						

Note: Table 7 shows the sheet resistance for optimizing the production value of the capacitor, square resistance index value can be changed according to the different purposes and capacitor fabrication, can be agreed upon by both sides of supply and demand.

Product view 1 产品实拍 1

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