



内膜 / Inner Membrane

选项 A | Option A - 1200 g/m²

依据所选膜材供应商技术资料整理。MOTET 已确认此选项用于内膜；编号为本摘要的检索编号，并非新的膜材型号。

Compiled from the selected material supplier's technical datasheet. MOTET identifies this option for inner-membrane use. The reference is a summary identifier, not a material model.

项目 / Property	资料值 / Source value	方法 / Source method
基布 / Base fabric	100% 聚酯 / Polyester	供应商资料 / Supplier sheet
涂层与表面 / Coating & finish	PVC；高光丙烯酸表处 PVC; high-gloss acrylic finish	供应商资料 / Supplier sheet
面密度 / Mass per unit area	1200 g/m ² ±5%	DIN EN ISO 2286-2
拉伸强力 (经/纬) Tensile strength (warp/weft)	≥5800 / ≥5400 N/5 cm	DIN EN ISO 1421-1 ¹
撕裂强力 (经/纬) Tear resistance (warp/weft)	≥900 / ≥800 N	DIN 53363
涂层附着 / Coating adhesion	≥110 N/5 cm	DIN EN ISO 2411 高频法 / HF method
耐冷 / Cold resistance	-30 °C	DIN EN 1876-1
耐热 / Heat resistance	+70 °C	供应商内部方法 / Supplier method
抗弯 / Flex resistance	≥100,000 次 / bends	DIN 53359 A
甲烷透过指标 Methane permeability	<500 cm ³ /(m ² ·d·bar) 温度未列 / Temperature not stated	DIN 53380 Part 2
燃烧性能 / Fire behaviour	DIN 4102 B1 (供应商声明) Supplier declaration	无本型号独立报告随附 No model-specific report supplied

未提供厚度，不补写公称厚度。来源为初步技术数据表，不是独立检测报告；不将其他膜材的 B1 检测结果移用于本选项。

Thickness is not stated. The source is a preliminary technical datasheet, not an independent test report. Fire-test results for other materials do not substantiate this option.

来源：所选膜材供应商资料，版本 2023-02-08；原型号保密，内部对应编号 IM-A。¹试验方法编号按来源保留，未擅自更新版本。

Source: selected supplier datasheet, dated 2023-02-08; original model withheld; internal reference IM-A.¹ Method designations are retained as stated in the source.

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内膜 / Inner Membrane

选项 B | Option B - 1200 g/m²

依据所选膜材供应商技术资料整理；MOTET 已确认用于内膜。保留资料原有数值、公差及测试温度，不据此推导整柜泄漏量。
Compiled from the selected material supplier's datasheet for MOTET inner-membrane use. Values, tolerances and test temperature are retained; they do not define whole-holder leakage.

项目 / Property	资料值 / Source value	方法 / Source method
基布 / Base fabric	100% 聚酯 / Polyester	供应商资料 / Supplier sheet
涂层与表面 / Coating & finish	PVC ; 无漆、哑光压纹 PVC; unlacquered, matt embossed	供应商资料 / Supplier sheet
面密度 / Mass per unit area	1200 g/m² (-5% / +10%)	DIN EN ISO 2286-2
公称厚度 / Nominal thickness	1.0 mm	DIN EN ISO 2286-3
拉伸强力 (经/纬) Tensile strength (warp/weft)	≥4400 / ≥4200 N/5 cm	DIN EN ISO 1421-1¹
撕裂强力 (经/纬) Tear resistance (warp/weft)	≥550 / ≥500 N	DIN 53363
涂层附着 / Coating adhesion	≥100 N/5 cm	DIN EN ISO 2411 高频法 / HF method
耐冷 / Cold resistance	-30 °C	DIN EN 1876-1
耐热 / Heat resistance	+70 °C	供应商内部方法 / Supplier method
抗弯 / Flex resistance	≥100,000 次 / bends	DIN 53359 A
甲烷透过指标 Methane permeability	<131 cm³/(m²·d·bar) , 23 °C	DIN 53380 Part 2

本资料没有列出阻燃等级，不增补 B1。甲烷透过值为膜材试验指标，不等于成品气柜的气密性验收结论。
No fire classification is stated in the source. Material permeability is not an acceptance result for the completed gas holder.

来源：所选膜材供应商资料，版本 2021-04-08；原型号保密，内部对应编号 IM-B。¹试验方法编号按来源保留，未擅自更新版本。
Source: selected supplier datasheet, dated 2021-04-08; original model withheld; internal reference IM-B.¹ Method designations are retained as stated in the source.

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内膜 / Inner Membrane

选项 C | Option C - 约 / approx. 1500 g/m²

依据所选膜材供应商技术资料整理；MOTET 已确认用于内膜。来源注明为实验室平均参考数据，不作保证或依据；以下数值不改写为保证下限。

Compiled for MOTET inner-membrane use. The supplier states that these are laboratory-average reference values, not guarantees; values below are not converted into guaranteed minima.

项目 / Property	资料值 / Source value	方法 / Source method
基布 / Base fabric	100% 聚酯 / Polyester	DIN ISO 2076
涂层与表面 / Coating & finish	PVC；双面丙烯酸表处 PVC; acrylic finish on both sides	供应商资料 / Supplier sheet
面密度 / Mass per unit area	约 / approx. 1500 g/m²	DIN EN ISO 2286-2
拉伸强力 (经/纬) Tensile strength (warp/weft)	8000 / 7500 N/5 cm	DIN EN ISO 1421-1¹
撕裂强力 (经/纬) Tear resistance (warp/weft)	1200 / 1100 N	DIN 53363
Welding adhesion² 原文：高频焊接强度	150 N/5 cm	IVK 3.13 试样条件待核 / Conditions pending
耐温 (原表标注) Temperature resistance (as stated)	-30 °C 至 / to +70 °C	DIN EN 1876-1 热端方法待核 / Heat method pending
抗弯 / Flex resistance	≥100,000 次 / bends	DIN 53359 A
燃烧性能 / Fire behaviour	GB 8624 B1 (供应商声明) Supplier declaration	标准版本未列 Edition not stated
甲烷透过指标 Methane permeability	≤200 cm³/(m²·d·bar) 温度未列 / Temperature not stated	DIN 53380 Part 2

未列厚度；不能把另一份试样的实测克重、甲烷透过结果或 DIN B1 初判，写成本选项所有批次的性能保证。²来源术语照录，不能据此认证 MOTET 成品焊缝。
Thickness is not stated. Separate sample results and a DIN B1 preliminary assessment are not batch-wide guarantees.² The source term does not certify MOTET fabrication seams.

来源：所选膜材供应商资料，版本 2023-07-06；原型号保密，内部对应编号 IM-C。¹试验方法编号按来源保留，未擅自更新版本。
Source: selected supplier datasheet, dated 2023-07-06; original model withheld; internal reference IM-C.¹ Method designations are retained as stated in the source.

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外膜 / Outer Membrane

耐候防护选项 | Weather-protection option - 1400 g/m²

依据所选膜材供应商技术资料整理，用于外膜选型讨论。PVDF 为正面表处，PVC 为涂层，不能称作整张膜由 PVDF 制成。
Compiled from the selected supplier's datasheet for outer-membrane selection. PVDF is the front finish; PVC is the coating. The membrane is not described as entirely PVDF.

项目 / Property	资料值 / Source value	方法 / Source method
基布 / Base fabric	100% 聚酯 / Polyester	DIN ISO 2076
涂层 / Coating	PVC	供应商资料 / Supplier sheet
表面处理 / Surface finish	正面可焊接 PVDF；背面丙烯酸 Weldable PVDF front; acrylic back	供应商资料 / Supplier sheet
面密度 / Mass per unit area	1400 g/m²	DIN EN ISO 2286-2
拉伸强力 (经/纬) Tensile strength (warp/weft)	8000 / 7500 N/5 cm	DIN EN ISO 1421-1¹
撕裂强力 (经/纬) Tear resistance (warp/weft)	1300 / 1300 N	DIN 53363
Welding adhesion² 原文：高频焊接强度	150 N/5 cm	DIN EN ISO 2411 原术语待核 / Term needs clarification
耐温 (原表标注) Temperature resistance (as stated)	-30 °C 至 / to +70 °C	DIN EN 1876-1 热端方法待核 / Heat method pending
抗弯 / Flex resistance	≥100,000 次 / bends	DIN 53359 A
燃烧性能 / Fire behaviour	DIN 4102-1 B1 (供应商声明) Supplier declaration	与 SGS 试样型号未绑定 SGS sample equivalence unconfirmed

来源为实验室平均参考数据，不作保证；没有给出厚度、甲烷透过指标或耐候年限，不补写。²ISO 2411 的范围为涂层附着试验，不能把该项直接称为成品焊缝认证。
The source gives laboratory-average reference data, not guarantees. Thickness, methane permeability and service life are not stated.² ISO 2411 concerns coating adhesion, not certification of finished seams.

来源：所选膜材供应商资料，版本 2023-06-15；原型号保密，内部对应编号 OM-A。¹试验方法编号按来源保留，未擅自更新版本。
Source: selected supplier datasheet, dated 2023-06-15; original model withheld; internal reference OM-A.¹ Method designations are retained as stated in the source.

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