

FPAF

波纹管

Corrugated conduit

+120°C +248°F
-50°C -58°F

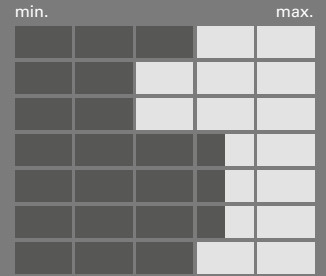
Material: PA6 MOD V0



- 用于对管子防火性能要求比较高的场合
- 不含卤素和镉
- 柔韧性好
- 防火性能优异
- 耐化学品性能好

- for applications with a high demand for fire safety performances
- free of halogen and cadmium
- flexible
- low fire hazard characteristics
- good chemical resistance

温度范围 / Temperature range
弯曲性能 / 柔韧性 / Flexibility/Ductility
动态性能 / Dynamic
机械防护性能 / Mechanical protection
防火性能 / Fire precaution performance
耐化学品性能 / Chemical resistance
耐候性 / Resistance to weathering



产品号 Part No. ¹⁾	名义尺寸 Nominal width		接头系统 Fitting system	波型 Profile ²⁾	尺寸 Dimensions in mm (nom.) ³⁾		弯曲半径 Bending radius in mm	包装单元 PU
	NW	metr.			内径/ ID	外径/ OD		
黑色 / black								
FPAFF-07B.50	07	10	FIPLOCK® ONE	F	6,2	10,0	15	50
FPAFF-10B.50	10	12		F	9,6	12,8	20	50
FPAFF-12B.50	12	16		F	12,0	15,7	30	50
FPAFC-17B.50	17	20		C	16,1	21,1	35	50
FPAFC-23B.50	23	25		C	22,4	28,5	40	50
FPAFC-29B.50	29	32		C	28,3	34,7	50	50
FPAFC-36B.25	36	40		C	35,8	42,4	55	25
FPAFC-48B-25	48	50		C	46,7	54,5	65	25
FPAFC-56B.25	56	68	FIPLOCK® XL	C	56,3	67,6	100	25
FPAFC-70B.25	70	80		C	67,2	79,6	130	25
FPAFC-95B.10	95	106		C	91,3	106,0	170	10
FPAFC-125B.10	125	146		C	126,5	146,5	380	10

您可以通过以下地址查询更多的技术信息 / You can find more technical information here

CADENAS – 产品CAD数据目录 / eCATALOG solutions electronic CAD catalog: <https://fraenkische-ip.partcommunity.com>

¹⁾ FIPLOCK® 波纹管编码规则 / Part numbering key for FIPLOCK® corrugated conduits: www.fraenkische-ip.com/fiplock-part-no

²⁾ 波纹管波型 / Conduit profiles: www.fraenkische-ip.com/fipsystems-profiles

³⁾ 英制尺寸转换 / Conversion to inch: www.fraenkische-ip.com/fipsystems-conversion-inch



应用性能 Application performances	特性 Characteristics	单位 Unit	规范标准 Standards, specifications	备注 Remark
温度范围 / Temperature range	-45 到 / to +120 -49 到 / to +248	°C °F	IEC EN 61386	弯曲性能 / flexible
温度范围 / Temperature range	-50 到 / to +120 -58 到 / to +248	°C °F	IS FIP	
温度 (短周期) / Temperature (short-term)	150 (500 h); 165 (100 h) 302 (500 h); 329 (100 h)	°C °F	IS FIP	
填充率 (最大) / Filling ratio (max.)	70	%	IS FIP	推荐值 / Recommendation

机械性能 / Mechanical performances				
冲击强度 / Impact strength	2/100 mm	KG	IEC EN 61386	-45°C / -49°F
冲击强度 / Impact strength	1J/2J	Joule	FIP-ISTR-1601	-50°C bis / -58°F
峰值负载 / Peak load value	320	N	IEC EN 61386	
弯曲测试 / Flexing test	5000		IEC EN 61386	-45°C / -49°F +120°C / +248°F FPANF & FPANC NW17
石屑冲击测试 / Stone impact test	尺寸 4 – 5 mm / Size 4 – 5 mm		DIN EN ISO 20567-1:2017-07	FPAFC-17B
拔脱强度 / Pull out strength	250	N	IEC EN 61386	NW17 配合 / with ASPA-17M25PB

应用性能 / Application performances				
防锈测试 / Corrosion test	符合 / compliant		DIN EN ISO 9227:2017-07	FPAFC-17B

防火性能 / Fire safety performances				
不含卤素和镉 / Free from halogens and cadmium	是 / yes		DIN EN ISO 63355:2023-08	
阻燃等级 / Fire classification	V0 (V2)		UL 94	
氧指数 / Oxygen index	>35	%	EN ISO 4589-2	
灼热丝测试 / Glow wire test	960	°C	IEC-60695-2-12	0,9 mm
火灾危害等级 / Fire hazardous level	HL3 R22/HL3 R23		EN45545-2	
火焰蔓延 / Spread of fire	非火焰蔓延 non flame propagating		IEC EN 61386	
垂直燃烧测试 / Vertical burning behavior	Vi<100 自熄 Vi<100 self-extinguishing	mm/min	EN ISO 6941:2003	ECE R-118-02 附录 8 ECE R-118-02 annex 8

耐候性 / Weathering performances				
UV- 及耐候性能 UV and weathering performance	好 average to good		IS FIP	5 到 10 年 5 to 10 years
防锈测试 / Corrosion test	符合 / compliant		DIN EN ISO 9227:2017-07 DIN EN ISO 13018:2016-06	FPAFC-17B

测试条件参照EN ISO 139，温度 23°C / 湿度50% r. F. (如未注明测试条件)。IS FIP = FIP内部测试规范
Tests carried out acc. EN ISO 139 at 23°C / 50% r. h. (if not indicated differently). IS FIP = Internal Specification FIP

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