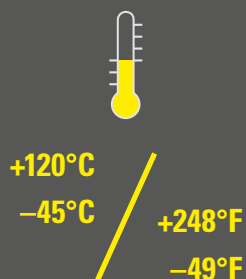


FPAS

可用于多种工况线缆保护应用的标准波纹管

Allrounder for various cable protection applications



材料: PA6 MOD BS

波纹管 FPAS由特殊的改性尼龙6制成。适用于各种线缆保护的应用场合。材料自熄且不含卤素及镉。具有非常优异的抗冲击性能, 抗压强度及很高的柔韧性, 适用于机器设备建造安装及工程领域以及铁路技术领域。

Material: PA6 MOD BS

The corrugated conduit FPAS is made of specially modified Polyamide 6 and is suitable for various cable protection applications. The "allrounder" provides very good fire characteristics. The material is self-extinguishing and free of halogen and cadmium. Excellent impact resistance, compression strength and good flexibility qualify the product for demanding applications in machine building, installation and construction industries, as well as in railway technology.

FPAS

产品性能 / Product performances

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	IS FIP	
温度 (短周期) Temperatur (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	
机械性能 / Mechanical performances				
冲击强度 Impact strength	6	J	IS FIP	23°C / 73,4°F
冲击强度 Impact strength	2	J	IS FIP	-45°C / -49°F
峰值负载 Peak load value	320	N	IS FIP	
拔脱强度 Pull out strength	500	N	IS FIP	23°C / 73,4°F FIPLOCK ONE NW 17
防火性能 / Fire safety performances				
不含卤素和镉 Free from halogens and cadmium	是 / yes			
阻燃等级 Fire classification	V2 (V0)		UL 94	
产品防火性能 Fire characteristic of the product	自熄 self-extinguishing		UL 1696	
易燃性 Flammability	自熄 self-extinguishing		FMVSS 302	
氧指数 Oxygen index	>32	%	EN ISO 4589-2	
灼热丝测试 Glow wire test	850 1562	°C °F	IEC 60695	
火焰危险等级 Fire hazardous level	HL3 R22/R23		EN45545-2	
火焰蔓延指数 Flame spread index	符合 compliant		ASTM E162	依照 / acc. NFPA 130
烟雾密度 Smoke density	符合 compliant		ASTM E662	依照 / acc. NFPA 130
烟雾毒性 Smoke toxicity	符合 compliant		BSS 7239/SMP 800-C	
热释放 (焓) Heat release (Enthalpy)	31.44 (13540)	MJ/kg (BTU/lb)	ASTM E1354	50 kW/m² 热通量 / heat flux
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 / self-extinguishing	mm/min	EN ISO 6941:2003	ECE R-118-02 附件 8 / annex 8
耐候性 / Weathering performances				
UV及耐候性 UV and weathering performance	好 average to good		IS FIP	5 到 10 年 5 to 10 years

测试条件参照EN ISO 139温度23°C, 湿度 / 50% (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 different). IS FIP = Internal Specification FIP

产品号. Part No.		名义尺寸 Nominal width		波型 Profile	尺寸 (mm) Dimensions in mm (nom.)		弯曲半径 (mm) Bending radius in mm	包装单元 PU
黑色 / black	灰色 / grey	NW	metr.		ID	AD / OD	stat. R.	m
FPASF-07B.50	FPASF-07G.50	07	10	F	6,2	10,0	15	50
FPASF-10B.50	FPASF-10G.50	10	12	F	9,6	12,8	20	50
FPASF-12B.50	FPASF-12G.50	12	16	F	12,0	15,7	30	50
FPASF-17B.50	FPASF-17G.50	17	20	F	16,6	21,1	35	50
FPASF-23B.50	FPASF-23G.50	23	25	F	22,6	28,4	40	50
FPASF-29B.50	FPASF-29G.50	29	32	F	29,0	34,5	50	50
FPASF-36B.25	FPASF-36G.25	36	40	F	36,5	42,4	55	25
FPASF-48B.25	FPASF-48G.25	48	50	F	47,5	54,4	65	25
FPASC-17B.50	FPASC-17G.50	17	20	C	16,1	21,1	35	50
FPASC-23B.50	FPASC-23G.50	23	25	C	22,0	28,5	40	50
FPASC-29B.50	FPASC-29G.50	29	32	C	28,3	34,7	50	50
FPASC-36B.25	FPASC-36G.25	36	40	C	36,0	42,3	55	25
FPASC-48B.25	FPASC-48G.25	48	50	C	47,0	54,4	65	25
FPASC-56B.25	FPASC-56G.25	56	68	C	56,3	67,2	100	25
FPASC-70B.25	FPASC-70G.25	70	80	C	67,2	79,6	130	25
FPASC-95B.10	FPASC-95G.10	95	106	C	91,3	106,0	170	10
FPASC-125B.10	FPASC-125G.10	125	146	C	126,5	146,5	380	10
FPASC-170B.A	FPASC-170G.A	170	193	C	172,0	193,0	520	A

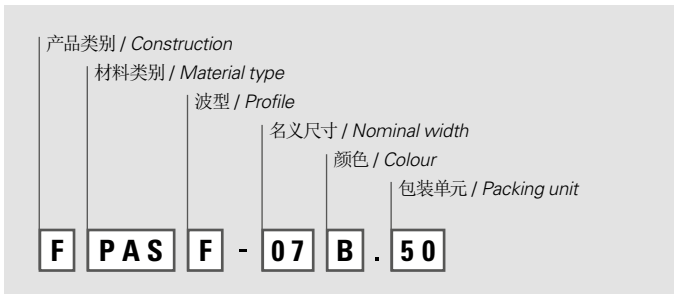
关于产品库存, 交期, 尺寸及颜色等问题请联系我们本地的经销商或客服。/

Please contact our local distribution partner or our customer service regarding product availability, lead time, other sizes and colours.

* 请参照PM sheet www.fraenkische.com/pm-sheet-inch 查询英制尺寸 / Please refer to the according PM sheet via www.fraenkische.com/pm-sheet-inch for the measurements in inch.

产品代码 / Number code:

A = 按客户要求 / customized



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E178449

FPASF NW 07-48 及 FPASC NW 17-48 的黑色和灰色管子可与 FIPLOCK® ONE 配合。

FPASF NW 07-48 and FPASC NW 17-48 in black and grey color in connection with FIPLOCK® ONE fittings.

细波型 F / Fine profile F
更小的弯曲半径 / Tight bending radius

粗波型 C / Coarse profile C
更高的拔脱强度 / High pull-out strength

弯曲半径 / Bending radius
stat. R = 静态安装最小弯曲半径
lowest recommended bending radius for static (fixed) installation
dyn. R = 动态安装最小弯曲半径
lowest recommended bending radius for dynamic (flexible) installation

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The provided data, images and technical specification drawings reflect the current engineering level and are to the best of our knowledge. This does not include any liability regarding the final application. Users of the products have to make their own evaluation to determine the suitability for a specific application. Our liability for these products considers the stated level within our General Conditions only. FRAENKISCHE Industrial Pipes (FIP) reserves the right to adjust specified data and values as well as implementing technical adjustments of the products e. g. change of materials and processing technologies without prior notice as long as the specified values are not reduced.

系统解决方案 / *The system solution:* FIPLOCK® ONE - One fits all

- 预装状态，拿来即用 / *pre-assembled and ready to fit*
- 易选型 / *easy selection*
- 易备库 / *lower storage effort*
- 易管理 / *little handling necessary*
- 易安装 / *faster installation*
- 省成本 / *cost saving*



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www.fipsystems.com 的下载区下载。

*You will find all information about our fittings in our FIPLOCK® ONE brochure. The
brochure can be downloaded from the download area on www.fipsystems.com*

