

FPPS-U

波纹管

Corrugated conduit

+105°C +221°F
-40°C -40°F

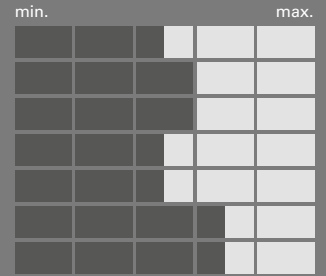
Material: PP MOD BS UV



- 可用于各种户外线缆束保护应用
- 自熄, 不含卤素和镉
- 非常好的动态抗疲劳性能
- 非常好的耐化学品性能
- 非常好的耐候及耐UV性能

- corrugated conduit for various outdoor applications
- self-extinguishing, free of halogen and cadmium
- very good dynamic fatigue strength
- very good chemical resistance
- very good weathering performances and UV-resistance

温度范围 / Temperature range
弯曲性能 / 柔性 / 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 m
	NW	metr.			内径 / ID	外径 / OD	stat. R.	dyn. R.	
黑色 / black									
FPPSF-07U.50	7	10	FIPLOCK® ONE	F	6,2	10,0	15	40	50
FPPSF-10U.50	10	12		F	9,6	12,8	20	45	50
FPPSF-12U.50	12	16		F	12,0	15,7	25	65	50
FPPSF-17U.50	17	20		F	16,6	21,1	30	70	50
FPPSF-23U.50	23	25		F	22,6	28,4	35	90	50
FPPSF-29U.50	29	32		F	29,0	34,5	45	110	50
FPPSF-36U.25	36	40		F	36,5	42,1	60	170	25
FPPSF-48U.25	48	50		F	48,2	54,0	70	185	25
FPPSC-56U.25	56	68	FIPLOCK® XL	C	56,3	66,9	100	270	25
FPPSC-70U.25	70	80		C	67,2	79,3	135	340	25
FPPSC-95U.10	95	106		C	91,9	105,6	150	440	10
FPPSC-125U.10	125	146		C	126,5	146,0	320	480	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



FPPS-U 产品性能 / Product performances

应用性能 <i>Application performances</i>	特性 <i>Characteristics</i>	单位 <i>Unit</i>	规范标准 <i>Standards, specifications</i>	备注 <i>Remark</i>
温度范围 / <i>Temperature range</i>	-40 到 / <i>to</i> +105 -40 到 / <i>to</i> +221	°C °F	IS FIP	
温度 (短周期) / <i>Temperature (short-term)</i>	150 (500 h); 165 (100 h) 302 (500 h); 329 (100 h)	°C °F	IS FIP	
填充率 (最大) / <i>Filling ratio (max.)</i>	70	%	IS FIP	推荐值 / <i>Recommendation</i>

机械性能 / <i>Mechanical performances</i>				
冲击强度 / <i>Impact strength</i>	6	J	IS FIP	23°C / 73,4°F
峰值负载 / <i>Peak load value</i>	2	J	IS FIP	-25°C / -13°F
弯曲测试 / <i>Flexing test</i>	320	N	IS FIP	NW 17
拔脱强度 / <i>Pull out strength</i>	500	N	IS FIP	23°C / 73,4°F – FIPLOCK ONE NW 17

防火性能 / <i>Fire safety performances</i>				
不含卤素和镉 / <i>Free from halogens and cadmium</i>	是 / <i>yes</i>		DIN EN ISO 63355:2023-08	
阻燃等级 / <i>Fire classification</i>	V2		UL 94	
垂直燃烧测试 / <i>Vertical burning behavior</i>	Vi<100 自熄 <i>Vi<100 self-extinguishing</i>	mm/min	EN ISO 6941:2003	ECE R-118-02 附录 8 <i>ECE R-118-02 annex 8</i>

耐候性 / <i>Weathering performances</i>				
UV- 及耐候性能 <i>UV and weathering performance</i>	非常好 <i>very good</i>		IS FIP	可达 20 年 <i>up to 20 years</i>
耐候测试 / <i>Weathering test</i>	符合 / <i>resistant</i>		DIN EN ISO 4892-2: 2013-07	5000h
防锈测试 <i>Corrosion test</i>	符合 / <i>compliant</i>		DIN EN ISO 9227:2017-07 DIN EN ISO 13018:2016-06	FPPSF-17U

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

我们尽我们的知识水平所提供的数据，图片和技术规格图档反映了当前的工程技术水平。这不包含对最后应用有关的任何责任。产品用户需根据应用要求自行进行评估。以确定产品是否符合特殊应用条件。我们对产品的责任只考虑一般规定条件下的水平。FIP保留对产品数据和数值进行技术调整的权力。例如更改材料和加工工艺，在保证产品性能数值不下降的情况下不会另行通知。

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.