

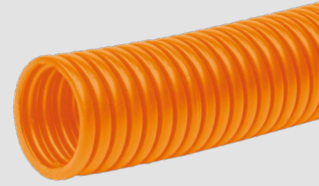
## FPPS-O

波纹管

Corrugated conduit

+105°C +221°F  
-40°C -40°F

Material: PP MOD BS 橙色/orange  
色号 RAL2003 / similar to RAL2003



- 用于特殊线缆线束的标记
  - 自熄, 不含卤素和镉
  - 优异的动态抗疲劳性能
  - 优异的耐化学品性能
  - 优异的耐候性能
- for marking special wiring
  - self-extinguishing, free of halogen and cadmium
  - good dynamic fatigue strength
  - very good chemical resistance
  - good weathering performances

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

min.		max.	
■	■	■	■
■	■	■	■
■	■	■	■
■	■	■	■
■	■	■	■
■	■	■	■
■	■	■	■
■	■	■	■



产品号 Part No. <sup>1)</sup>	名义尺寸 Nominal width		接头系统 Fitting system	波型 Profile <sup>2)</sup>	尺寸 Dimensions in mm (nom.) <sup>3)</sup>		弯曲半径 Bending radius in mm		包装单元 PU
	NW	metr.			内径 / ID	外径 / OD	stat. R.	dyn. R.	
橙色 RAL2003 / similar to RAL2003			FIPLOCK® ONE						
FPPSF-0702.50	7	10		F	6,2	10,0	15	40	50
FPPSF-1002.50	10	12		F	9,6	12,8	20	45	50
FPPSF-1202.50	12	16		F	12,0	15,7	25	65	50
FPPSF-1702.50	17	20		F	16,6	21,1	30	70	50
FPPSF-2302.50	23	25		F	22,6	28,4	35	90	50
FPPSF-2902.50	29	32		F	29,0	34,5	45	110	50
FPPSF-3602.25	36	40		F	36,5	42,1	60	170	25
FPPSF-4802.25	48	50	F	48,2	54,0	70	185	25	

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 / eCATALOGsolutions electronic CAD catalog: <https://fraenkische-ip.partcommunity.com>

<sup>1)</sup> FIPLOCK® 波纹管编码规则 / Part numbering key for FIPLOCK® corrugated conduits: [www.fraenkische-ip.com/fiplock-part-no](http://www.fraenkische-ip.com/fiplock-part-no)

<sup>2)</sup> 波纹管波型 / Conduit profiles: [www.fraenkische-ip.com/fipsystems-profiles](http://www.fraenkische-ip.com/fipsystems-profiles)

<sup>3)</sup> 英制尺寸转换 / Conversion to inch: [www.fraenkische-ip.com/fipsystems-conversion-inch](http://www.fraenkische-ip.com/fipsystems-conversion-inch)



# FPPS-O 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
冲击强度 / <i>Impact strength</i>	2	J	IS FIP	-25°C / -13°F
峰值负载 / <i>Peak load value</i>	125	N	IS FIP	
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	
防火特性 / <i>Fire characteristic</i>	自熄 / <i>self-extinguishing</i>		UL 1696	
垂直燃烧测试 / <i>Vertical burning behavior</i>	Vi<100 自熄 Vi<100 <i>self-extinguishing</i>	mm/min	EN ISO 6941:2003	ECE R-118-02 附录 8 ECE R-118-02 <i>annex 8</i>

耐候性 / <i>Weathering performances</i>				
UV- 及耐候性能 <i>UV and weathering performance</i>	好 <i>good</i>		IS FIP	5 到 8 年 <i>5 to 8 years</i>
加速老化测试 / <i>Accelerated weathering test</i>	符合 / <i>resistant</i>		IS FIP	Xenotest X1200

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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