


FPAN-O

波纹管

Corrugated conduit

+120°C
-45°C



+248°F
-49°F

Material: PA6 MOD 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
 - 优异的抗冲击性能, 及抗压性能
 - 弯曲性能好
 - 耐化学品性能好
 - 耐候性能好
- for marking special wiring
 - self-extinguishing, free of halogen and cadmium
 - excellent impact resistance, compression strength
 - good flexibility quality
 - very good chemical resistance
 - good weathering performances

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

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



产品号 Part No. ¹⁾	名义尺寸 Nominal width		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		
橙色 RAL2003 / similar to RAL2003						stat. R.	m
FPANF-0702.50	07	10	F	6,2	10,0	15	50
FPANF-1002.50	10	12	F	9,6	12,8	20	50
FPANF-1202.50	12	16	F	12,0	15,7	30	50
FPANF-1702.50	17	20	F	16,6	21,1	35	50
FPANF-2302.50	23	25	F	22,6	28,4	40	50
FPANF-2902.50	29	32	F	29,0	34,5	50	50
FPANF-3602.25	36	40	F	36,5	42,4	55	25
FPANF-4802.25	48	50	F	47,5	54,4	65	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>

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

产品认证报告基于FPANF NW 07–48 及 FPANC NW 17–48 连接 FIPLOCK® ONE 管接头。

Recognised Component certification is valid for FPANF NW 07–48 and FPANC NW 17–48 in connection with FIPLOCK® ONE fittings.



FPAN-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>	-45 到 / <i>to</i> +120 -49 到 / <i>to</i> +248	°C °F	IEC EN 61386	弯曲性能 / <i>flexible</i>
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>	4	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>	320	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	

耐候性 / <i>Weathering performances</i>				
UV- 及耐候性能 <i>UV and weathering performance</i>	好 <i>average to good</i>		IS FIP	大约 5 年 <i>approx. 5 years</i>

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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