

OPDS

椭圆型波纹管

Oval special corrugated conduit

+110°C / +230°F
-50°C / -58°F

Material: PA12 MOD BS



- 波纹管截面为椭圆型
- 用于线缆线束安装空间狭窄的场所
- 耐疲劳性能优异
- 防火性能优异
- 自熄, 不含卤素和镉
- 耐UV和耐候性能优异

- corrugated conduit with oval cross sections
- suitable for space saving installations of cable and wires
- excellent fatigue strength
- excellent fire safety performances
- self-extinguishing, free from halogens and cadmium
- excellent UV and weathering performance

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

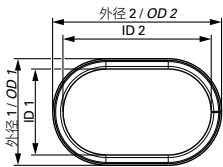
耐化学品性能 / Chemical resistance

耐候性 / Resistance to weathering

min.		max.	



产品号 Part No. ¹⁾	名义尺寸 Nominal width	波型 Profile ²⁾	尺寸 / Dimensions in mm (nom.)				弯曲半径 Bending radius in mm		包装单元 PU
			内径 / ID		外径 / OD		stat. R.	dyn. R.	
黑色 / black	NW		1	2	1	2	stat. R.	dyn. R.	m
OPDSF-1025B.50	10x25	F	9,6	24,8	14,2	29,0	35	100	50
OPDSF-2034B.50	20x34	F	20,0	34,5	24,8	39,3	45	120	50
OPDSF-4082B.25	40x82	F	40,0	82,0	49,5	92,0	70	200	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⁾ FIPSPECIALS® 波纹管编码规则 / Part numbering key for FIPSPECIALS® corrugated conduits: www.fraenkische.com/fipspecials-part-no

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



OPDS 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	-50 到 / to +110 -58 到 / to +230	°C °F	IS FIP	
温度 (短周期) / Temperature (short-term)	150 (500 h); 160 (100 h) 302 (500 h); 320 (100 h)	°C °F	IS FIP	
填充率 (最大) / Filling ratio (max.)	70	%	IS FIP	

机械性能 / Mechanical performances				
峰值负载 / Peak load value	125	N	IS FIP	

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		UL 94	
氧指数 / Oxygen index	32	%	EN ISO 4589-2	
火灾危害等级 / Fire hazardous level	HL3 R22/HL3 R23		EN45545-2	
火焰蔓延指数 / Flame spread index	符合 / compliant		ASTM E162	参照 NFPA / acc. NFPA 130
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	优异 excellent		IS FIP	可达 40 年 up to 40 years
耐候测试 / Weathering test	符合 / resistant		DIN EN ISO 4892-2: 2013-07	5000h

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. 这并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利. 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.