

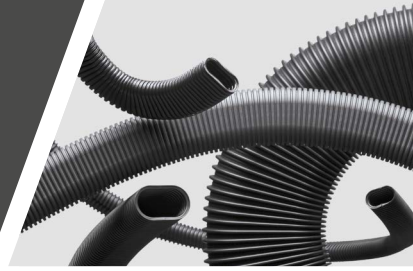
OPAS

椭圆型波纹管

Oval special corrugated conduit

+120°C +248°F
-45°C -49°F

Material: PA6 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
- 弯曲性能优异
- 防火性能优异
- 自熄, 不含卤素和镉
- 耐UV和耐候性能好

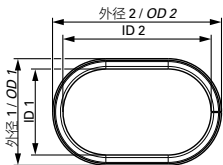
- corrugated conduit with oval cross sections
- suitable for space saving installations of cable and wires
- high pliability
- increased fire safety performances
- self-extinguishing, free from halogens and cadmium
- good UV and weathering performance

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			m
OPASF-1025B.50	10x25	F	9,6	24,8	14,2	29,0	35	100	50
OPASF-2034B.50	20x34	F	20,0	34,5	24,8	39,3	45	120	50
OPASF-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



OPAS 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) / Temperature (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				
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 (V0)		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
烟雾毒性 / Smoke toxicity	符合 / compliant		BSS 7239/SMP 800-C	
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 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	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% 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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