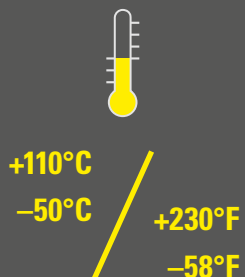
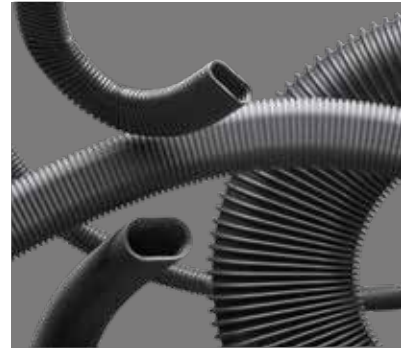


OPDS

椭圆形波纹管

Oval special corrugated conduit



	min.					max.				
温度范围 Temperature range										
柔韧性 Flexibility/Ductility										
动态性能 Dynamic										
机械保护性能 Mechanical protection										
防火性能 Fire precaution performance										
耐化学性 Chemical resistance										
耐候性 Resistance to weathering										

材料: PA12 MOD BS

OPDS 波纹管的椭圆形造型节省空间便于安装。产品由特殊改性PA12材料制成, 动态运动时具有非常优异的抗疲劳性能。产品同时具有优异的柔韧性, 非常适用于狭窄的应用场合的安装适用。

Material: PA12 MOD BS

OPDS corrugated conduit with oval cross sections allows a space saving installation with cable and wire capacity. This conduit type made of specially modified PA 12 provides very high fatigue strength against continuous dynamic flexing movements. Due to the excellent pliability, OPDS is suitable for installations in very narrow application areas.

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				
冲击强度 Impact strength	6	J	IS FIP	23 °C / 73,4 °F
冲击强度 Impact strength	2	J	IS FIP	-25 °C / -13 °F
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	
产品防火特性 Fire characteristic of the product	自熄 self-extinguishing		UL 1696	
易燃性 Flammability	自熄 self-extinguishing		FMVSS 302	
氧指数 Oxygen index	32	%	EN ISO 4589-2	
灼热丝测试 Glow wire test	850 1562	°C °F	IEC 60695	
火灾危害等级 Fire hazardous level	HL3 R22 黑色 / black HL3 R23 黑色 / black		EN 45545-2	
火焰蔓延指数 Flame spread index	符合 compliant		ASTM E162	依照 / acc. NFPA 130
烟雾浓度 Smoke density	符合 compliant		ASTM E162	依照 / acc. NFPA 130
烟雾毒性 Smoke toxicity	符合 compliant		BSS 7239/SMP 800-C	
热释放量(焓) Heat release (Enthalpy)	20,9	MJ/kg (BTU/lb)	ASTM E1354	50 kW/m² 热通量 / heat flux
火焰蔓延 Spread of fire	非火焰蔓延 non flame propagating		IEC EN 61386	
耐候性 / Weathering performances				
UV及耐候性 UV and weathering performance	优异 excellent		IS FIP	达 30 年 up to 30 years

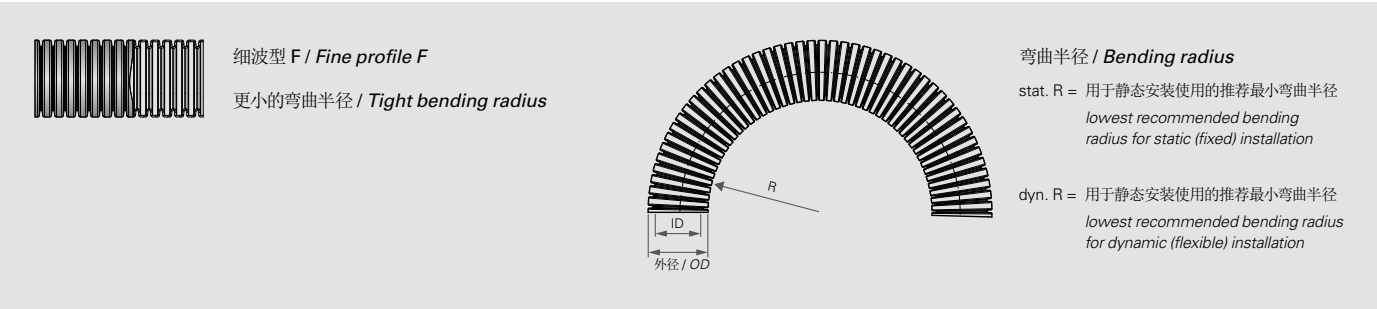
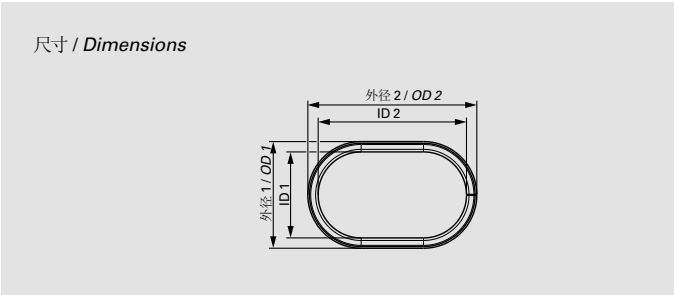
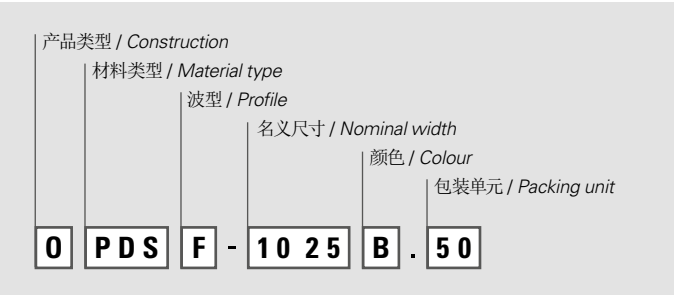
测试条件参照EN ISO 139温度23°C, 湿度 / 50% (如未注明测试条件)。IS FIP = FIP内部测试规范。

Tests carried out acc. EN ISO 139 at 23°C/50% r. h. (if not indicated different). IS FIP = Internal Specification FIP

产品号 Part No.	名义尺寸 Nominal width	波型 Profile	尺寸 (mm) Dimensions in mm (nom.)				弯曲半径 Bending radius in mm		包装单元 PU
			ID		外径 / OD				
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

关于产品库存, 交期, 尺寸及颜色等问题请联系我们本地的经销商或客服。
Please contact our local distribution partner or our customer service regarding product availability, lead time, other sizes and colours.

产品代码 / Number code:



我们尽我们的知识水平所提供的数据, 图像和技术规格图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进行自己的评估, 以确定产品是否符合特殊的应用条件。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.