

## FPKS

### 高温波纹管

### Corrugated conduit

+300°C +572°F  
-30°C -22°F

Material: PEEK (聚醚醚酮)



- 产品由高技术聚合材料 PEEK 制成
- 自熄, 不含卤素和镉
- 优异的耐化学品性能
- 耐候性能好
- 广泛适用于各种有耐高温及防火要求的场合

- HIGHTECH polymer material PEEK
- self-extinguishing, free from halogens and cadmium
- high chemical resistance characteristics
- good weathering performances
- for extensive applications areas with highest temperature and and fire safety 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<br>Part No. <sup>1)</sup> | 名义尺寸<br>Nominal width | 波型<br>Profile <sup>2)</sup> | 尺寸<br>Dimensions<br>in mm (nom.) <sup>3)</sup> |         | 弯曲半径<br>Bending radius<br>in mm | 包装单元<br>PU |
|-------------------------------|-----------------------|-----------------------------|--|---------|---------------------------------|------------|
|                               |                       |                             | ID   | 外径 / OD |                                 |            |
| 黑色 / black                    | NW                    |                             |  |         | stat. R.                        | m          |
| FPKSF-07B.50                  | 07                    | F                           | 6,5  | 10,0    | 15                              | 50         |
| FPKSF-10B.50                  | 10                    | F                           | 9,8  | 12,8    | 25                              | 50         |
| FPKSF-12B.50                  | 12                    | F                           | 12,3   | 15,7    | 35                              | 50         |
| FPKSF-17B.50                  | 17                    | F                           | 16,8   | 21,1    | 40                              | 50         |
| FPKSF-23B.50                  | 23                    | F                           | 23,0   | 28,4    | 45                              | 50         |
| FPKSF-29B.25                  | 29                    | F                           | 29,2   | 34,5    | 55                              | 25         |
| FPKSF-36B.25                  | 36                    | F                           | 36,8   | 42,4    | 60                              | 25         |
| FPKSF-48B.25                  | 48                    | F                           | 47,8   | 54,4    | 70                              | 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> FIPHEAT® 波纹管编码规则 / Part numbering key for FIPHEAT® corrugated conduits: [www.fraenkische-ip.com/fipheat-part-no](http://www.fraenkische-ip.com/fipheat-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)



# FPKS 产品性能 / Product performances

| 应用性能<br>Application performances | 特性<br>Characteristics              | 单位<br>Unit | 规范标准<br>Standards, specifications | 备注<br>Remark         |
|----------------------------------|------------------------------------|------------|-----------------------------------|----------------------|
| 温度范围 / Temperature range         | -30 到 / to +300<br>-22 到 / to +572 | °C<br>°F   | IS FIP                            |                      |
| 填充率 (最大) / Filling ratio (max.)  | 70                                 | %          | IS FIP                            | 推荐值 / recommendation |

| 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              | V0      |   | UL 94         |  |
| 氧指数 / Oxygen index                      | >37     | % | EN ISO 4589-2 |  |

| 材料特殊特性 / Material specific characteristics |            |        |          |  |
|--|------------|--------|----------|--|
| 体积电阻系数 / Volume resistivity                | 1.6E +17   | Ohm*cm | ASTMD257 |  |
| 表面电阻系数 / Surface resistivity               | > 1.9E +17 | Ohm    | ASTMD257 |  |

| 耐候性 / Weathering performances              |           |  |        |                           |
|--|-----------|--|--------|---------------------------|
| UV- 及耐候性能<br>UV and weathering performance | 好<br>good |  | IS FIP | 5 到 10 年<br>5 to 10 years |

测试条件参照EN ISO 139 , 温度 23°C / 湿度50% r. h. (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.