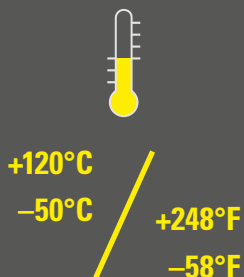


### PAPA

防撞球/连接套

*Abrasion protection / connecting sleeve*



材料: PA6 MOD V0 SGA

FIPMOTION® 防撞球/连接套PAPA可以很容易的用于动态运动的波纹管上用以提升管子的防护能力。此产品特别推荐用于波纹管高负载导致很强的摩擦力从而使管子磨损的位置。产品也可以当作连接套用于连接两根高动态运动的管子以减小由于扭力导致的管子的损坏, 从而提升整体系统的使用寿命。此产品适配FIPMOTION®波纹管的细波型和粗波型。

**Material: PA6 MOD V0 SGA**

The FIPMOTION® abrasion protection and connecting sleeve PAPA can be easily retrofitted to dynamically moving corrugated conduits. This is particularly recommended for highly loaded positions which can cause increased wear of the corrugated pipes due to strong friction effects. The sleeves are also suitable for corrugated conduit connections which additionally reduce torsion forces to the conduits in dynamic applications and can further improve the service life of the system. The sleeves are ideally suited for FIPMOTION® corrugated pipes with fine or coarse profiles.

## PAPA

### 产品性能 / Product performances

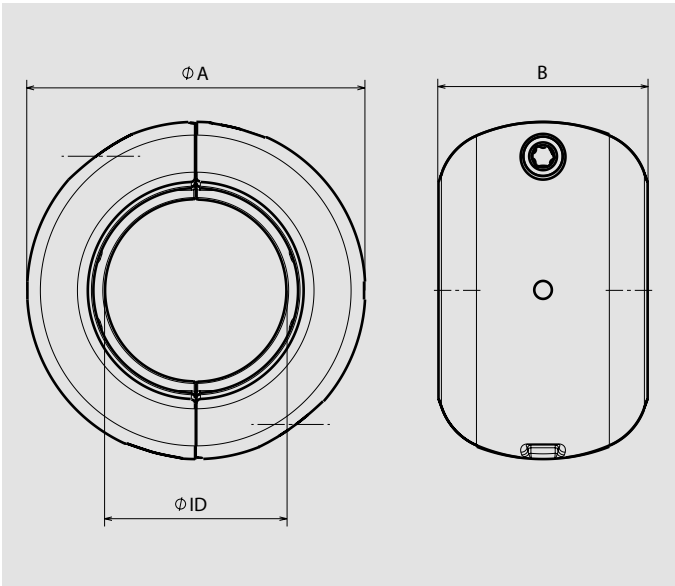
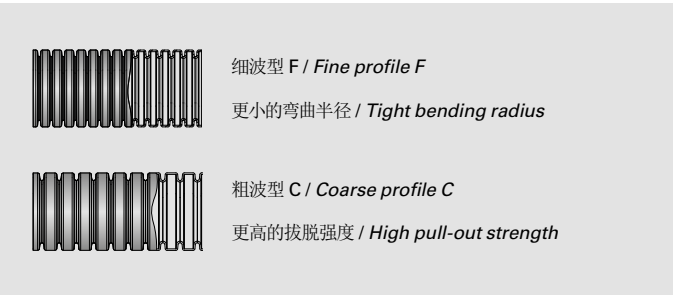
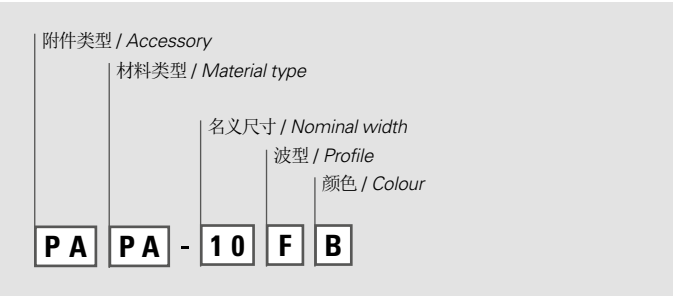
| 应用性能 / Application performances              | 特性<br>Characteristics                                | 单位<br>Unit | 标准规范<br>Standards, specifications | 备注<br>Remark             |
|----------------------------------------------|------------------------------------------------------|------------|-----------------------------------|--------------------------|
| 温度范围<br>Temperature range                    | -50 到 / to +120<br>-58 到 / to +248                   | °C<br>°F   | IS FIP                            |                          |
| 温度 (短周期)<br>Temperatur (short-term)          | 150 (500 h); 165 (100 h)<br>302 (500 h); 329 (100 h) | °C<br>°F   | IS FIP                            |                          |
| 防火性能 / Fire safety performances              |                                                      |            |                                   |                          |
| 不含卤素和镉<br>Free from halogens and cadmium     | 是 / yes                                              |            |                                   |                          |
| 阻燃等级<br>Fire classification                  | V0                                                   |            | UL 94                             |                          |
| 产品防火特性<br>Fire characteristic of the product | 自熄<br>self-extinguishing                             |            | UL 1696                           |                          |
| 氧指数<br>Oxygen index                          | >32                                                  | %          | EN ISO 4589-2                     |                          |
| 灼热丝测试<br>Glow wire test                      | 960<br>1760                                          | °C<br>°F   | IEC 60695                         |                          |
| 火灾危害等级<br>Fire hazardous level               | HL3 R22                                              |            | EN45545-2                         |                          |
| 火焰蔓延<br>Spread of fire                       | 非火焰蔓延<br>non flame propagating                       |            | IEC EN 61386                      |                          |
| 耐候性 / Weathering performances                |                                                      |            |                                   |                          |
| UV及耐候性<br>UV and weathering performance      | 非常好<br>very good                                     |            | IS FIP                            | 15到20年<br>15 to 20 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<br>Part No. | 名义尺寸<br>Nominal width | 尺寸 (mm)<br>Dimensions in mm |       |      | 重量<br>Weight | 单位<br>PU |
|-----------------|-----------------------|-----------------------------|-------|------|--------------|----------|
| 黑色 / black      | NW                    | B                           | A     | ID   | g            | 个 / Pcs  |
| PAPA-10FB       | 10                    | 22,8                        | 30,0  | 11,1 | 8,5          | 10       |
| PAPA-12FB       | 12                    | 21,7                        | 33,0  | 13,7 | 9,6          | 10       |
| PAPA-17FB       | 17                    | 29,4                        | 40,0  | 18,3 | 18,3         | 10       |
| PAPA-23FB       | 23                    | 34,2                        | 52,0  | 25,3 | 30,9         | 6        |
| PAPA-29FB       | 29                    | 36,1                        | 58,0  | 31,3 | 35,7         | 6        |
| PAPA-36FB       | 36                    | 41,1                        | 69,0  | 38,3 | 58,0         | 4        |
| PAPA-48FB       | 48                    | 43,3                        | 81,0  | 49,9 | 73,3         | 4        |
| PAPA-17CB       | 17                    | 29,4                        | 40,0  | 17,7 | 15,9         | 10       |
| PAPA-23CB       | 23                    | 34,2                        | 52,0  | 24,0 | 31,2         | 6        |
| PAPA-29CB       | 29                    | 36,1                        | 58,0  | 29,9 | 37,6         | 6        |
| PAPA-36CB       | 36                    | 41,1                        | 69,0  | 38,1 | 59,1         | 4        |
| PAPA-48CB       | 48                    | 43,3                        | 81,0  | 49,3 | 76,9         | 4        |
| PAPA-56CB       | 56                    | 47,2                        | 94,0  | 59,1 | 106,2        | 2        |
| PAPA-70CB       | 70                    | 50,8                        | 108,0 | 70,3 | 137,6        | 2        |

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:



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