

# ANA- QUICK® polyamide conduit type PA6S

**PA6S : Standard model, for medium and heavy mechanical strength.**

Typ PA6S is a standard polyamide conduit for medium and heavy mechanical strength. The PA6S is very flexible and has a low bending radius. The PA6S is applicable for standard circumstances and for frequent movements. The PA6S is used in medium and heavy machines and installations in the machine-, equipment-, hospitalbuilding, packagingmachines and the transportation area. Because the PA6S is "UL-Recognized", it is also used for export to countries outside Europe.

Construction : Corrugated conduit from modified polyamide PA6, halogen free.  
 Flame properties : Class HB, according UL-94, flame-retarding.  
 Resistant against : Alcohol, greases, fuels, mineral oils, weak bases and weak acids.

Temperature range : -40°C till +120°C, intermittent up to +150°C.

Colour : Grey and black.



*"Corrugated profile (standard wall)"*

| Trade size PA6S | mm  | 4,5 | 7,5 | 10      | 12  | 17  | 23  | 29  | 37  | 50      |
|-----------------|-----|-----|-----|---------|-----|-----|-----|-----|-----|---------|
| Fittings        | ISO | -   | M10 | M12/M16 | M16 | M20 | M25 | M32 | M40 | M50/M63 |
|                 | PG  | -   | 7   | 9       | 11  | 16  | 21  | 29  | 36  | 48      |

| Inside diameter   | mm         | -         | 6,7       | 9,9       | 12,2      | 16,6      | 23,2      | 29,0      | 36,0      | 47,7 |
|-------------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------|
| Outside diameter  | mm         | -         | 10,0      | 13,0      | 15,7      | 21,2      | 28,3      | 34,5      | 42,4      | 54,0 |
| Bending radius    | static mm  | -         | 13        | 20        | 30        | 45        | 55        | 65        | 90        | 100  |
| (centerline)      | dynamic mm | -         | 39        | 60        | 90        | 135       | 165       | 195       | 270       | 300  |
| Standard carton   | m          | -         | 50        | 50        | 50        | 50        | 50        | 25        | 25        | 25   |
| Article No. grey  | -          | 801.207.0 | 801.210.0 | 801.212.0 | 801.217.0 | 801.223.0 | 801.229.0 | 801.236.0 | 801.248.0 |      |
| Article No. black | -          | 801.307.0 | 801.310.0 | 801.312.0 | 801.317.0 | 801.323.0 | 801.329.0 | 801.336.0 | 801.348.0 |      |

| Ana-Quick type PA6S                                |       |                                    |
|--|-------|------------------------------------|
| EN 50086 Classification                            | Value | Description                        |
| Compression resistance                             | 2     | Light (320 N)                      |
| Impact resistance                                  | 2     | Light (1 J)                        |
| Minimum temperature                                | 4+    | -40°C                              |
| Maximum temperature                                | 4     | +120°C                             |
| Bending resistance                                 | 4     | Flexible                           |
| Electrical properties                              | 0     | None declared                      |
| Resistance to ingress of solid foreign objects (I) | 6     | Protected against dust (dustproof) |
| Resistance to ingress of water (P)                 | 7     | Watertight (1 meter deep, 30 min.) |
| Corrosion resistance inside / outside              | 4     | High / High                        |
| Tensile strength                                   | 2     | Light (250 N)                      |
| Resistance to flame propagation                    | 1     | Non-flame propagating              |
| Suspended load capacity                            | 0     | None declared                      |

## Special remarks:

- \* All sizes PA6S are stock item, please notice for larger volumes a delivery time of 6 till 8 weeks.
- \* Also available in slitted version (Article No. ... .7)
- \* Longer lengths available on demand.
- \* Bigger or different sizes available, however no fittings available.



The suitable fittings and accessories for Ana-Quick type PA6S are mentioned on pages 62 till 68.