

## Technical Data Sheet

### ROHRflex-PA 6-S

#### ROHRflex corrugated plastic tubings

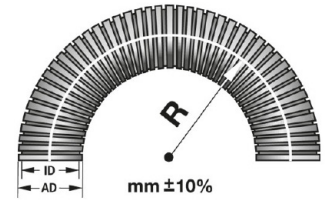
Protective all-plastic tubing, internally and externally corrugated, reduced fire protection, for simple applications

**Temperature:** -40°C ... +120°C^ + 150°C  
-40°F ... +248°F^ + 302°F

**Material:** PA 6 plastics

#### Characteristics:

- Air and liquid tight
- Oil resistant up to 80°C
- Benzine resistant
- Widely resistant to acids and solvents
- Free of silicone, cadmium, halogen
- Flame retardant
- High UV-resistance



#### Applications:

- Machine and plant constructions, automotive, shipbuilding, automation, electrical installations



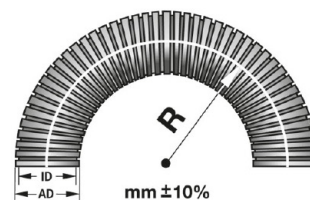
| Characteristics                                                        | Unit | Value                 | Test               |
|------------------------------------------------------------------------|------|-----------------------|--------------------|
| <b>Mechanical characteristics</b>                                      |      |                       |                    |
| Resistance to compression                                              | N    | 125                   | EN 61386-23        |
| Resistance to bending                                                  |      | flexible              | EN 61386-23        |
| Resistance to reversed bending                                         |      | 5,000                 | EN 61386-23        |
| Average reversed bending stress                                        |      | >500,000              | EN 61386-23        |
| <b>Flame characteristics</b>                                           |      |                       |                    |
| Free of halogen and phosphor                                           |      | yes                   | DIN 53474          |
| Flame class                                                            |      | V2                    | UL 94              |
| Resistance to flame propagation                                        |      | non flame propagating | EN 61386-23        |
| Light emitting filament check                                          | C    | 850                   | EN 60695-2-1/0     |
| <b>Specific characteristics</b>                                        |      |                       |                    |
| Resistance to fuels, mineral oil, fat alkalises, glycols, acids, bases |      | excellent             |                    |
| <b>Weather performance</b>                                             |      |                       |                    |
| UV-resistance                                                          | Std. | 1,000                 | ASTM G155, Cycle 1 |
| <b>System test</b>                                                     |      |                       |                    |
| Pull-out resistance with FLEXAquick                                    | N    | 100                   | EN 61386-23        |
| <b>Ingress protection</b>                                              |      |                       |                    |
| Assembled with FLEXAquick                                              |      | IP 68/69K             | IEC 60529          |

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#### ROHRflex corrugated plastic tubings

Protective all-plastic tubing, internally and externally corrugated, reduced fire protection, for simple applications



| Part Number  | Color | Trade Size<br>mm   in | Profile | ID<br>mm   in | OD<br>mm   in | BR Stat.<br>mm   in | BR Dyn.<br>mm   in | Weight<br>kg/m   lb/ft | Std Pack<br>m   ft |
|--------------|-------|-----------------------|---------|---------------|---------------|---------------------|--------------------|------------------------|--------------------|
| 0233.209.006 | Black | 10.0   1/4            | Fine    | 6.5   0.26    | 10.0   0.39   | 13   0.51           | 35   1.38          | 0.020   0.01           | 50   164           |
| 0233.209.010 | Black | 13.0   5/16           | Fine    | 10.0   0.39   | 13.0   0.51   | 20   0.79           | 45   1.75          | 0.030   0.02           | 50   164           |
| 0233.209.012 | Black | 15.8   3/8            | Fine    | 12.0   0.47   | 15.8   0.62   | 35   1.38           | 55   2.17          | 0.035   0.02           | 50   164           |
| 0233.209.014 | Black | 18.5   7/16           | Fine    | 14.3   0.56   | 18.5   0.73   | 40   1.57           | 65   2.56          | 0.045   0.03           | 50   164           |
| 0233.209.016 | Black | 21.2   1/2            | Fine    | 16.5   0.65   | 21.2   0.83   | 45   1.77           | 75   2.95          | 0.060   0.04           | 50   164           |
| 0233.209.023 | Black | 28.5   3/4            | Fine    | 23.0   0.91   | 28.5   1.12   | 55   2.17           | 100   3.94         | 0.100   0.07           | 50   164           |
| 0233.209.029 | Black | 34.5   1              | Fine    | 29.0   1.14   | 34.5   1.36   | 65   2.56           | 120   4.72         | 0.120   0.08           | 25   82            |
| 0233.209.036 | Black | 42.5   1 1/4          | Fine    | 36.0   1.42   | 42.5   1.67   | 90   3.54           | 150   5.91         | 0.150   0.10           | 25   82            |
| 0233.209.048 | Black | 54.5   1 1/2          | Fine    | 48.0   1.89   | 54.5   2.15   | 100   3.94          | 190   7.48         | 0.220   0.15           | 25   82            |
| 0233.209.106 | Black | 10.0   1/4            | Fine    | 6.5   0.26    | 10.0   0.39   | 13   0.51           | 35   1.38          | 0.020   0.01           | 10   32            |
| 0233.209.110 | Black | 13.0   5/16           | Fine    | 10.0   0.39   | 13.0   0.51   | 20   0.79           | 45   1.75          | 0.030   0.02           | 10   32            |
| 0233.209.112 | Black | 15.8   3/8            | Fine    | 12.0   0.47   | 15.8   0.62   | 35   1.38           | 55   2.17          | 0.035   0.02           | 10   32            |
| 0233.209.116 | Black | 21.2   1/2            | Fine    | 16.5   0.65   | 21.2   0.83   | 45   1.77           | 75   2.95          | 0.060   0.04           | 10   32            |
| 0233.209.123 | Black | 28.5   3/4            | Fine    | 23.0   0.91   | 28.5   1.12   | 55   2.17           | 100   3.94         | 0.100   0.07           | 10   32            |
| 0233.209.129 | Black | 34.5   1              | Fine    | 29.0   1.14   | 34.5   1.36   | 65   2.56           | 120   4.72         | 0.120   0.08           | 10   32            |
| 0233.209.136 | Black | 42.5   1 1/4          | Fine    | 36.0   1.42   | 42.5   1.67   | 90   3.54           | 150   5.91         | 0.150   0.10           | 10   32            |
| 0233.209.148 | Black | 54.5   1 1/2          | Fine    | 48.0   1.89   | 54.5   2.15   | 100   3.94          | 190   7.48         | 0.220   0.15           | 10   32            |
| 0232.201.006 | Gray  | 10.0   1/4            | Fine    | 6.5   0.26    | 10.0   0.39   | 13   0.51           | 35   1.38          | 0.020   0.01           | 50   164           |
| 0232.201.010 | Gray  | 13.0   5/16           | Fine    | 10.0   0.39   | 13.0   0.51   | 20   0.79           | 45   1.75          | 0.030   0.02           | 50   164           |
| 0232.201.012 | Gray  | 15.8   3/8            | Fine    | 12.0   0.47   | 15.8   0.62   | 35   1.38           | 55   2.17          | 0.035   0.02           | 50   164           |
| 0232.201.014 | Gray  | 18.5   7/16           | Fine    | 14.3   0.56   | 18.5   0.73   | 40   1.57           | 65   2.56          | 0.045   0.03           | 50   164           |
| 0232.201.016 | Gray  | 21.2   1/2            | Fine    | 16.5   0.65   | 21.2   0.83   | 45   1.77           | 75   2.95          | 0.060   0.04           | 50   164           |
| 0232.201.023 | Gray  | 28.5   3/4            | Fine    | 23.0   0.91   | 28.5   1.12   | 55   2.17           | 100   3.94         | 0.100   0.07           | 50   164           |
| 0232.201.029 | Gray  | 34.5   1              | Fine    | 29.0   1.14   | 34.5   1.36   | 65   2.56           | 120   4.72         | 0.120   0.08           | 25   82            |
| 0232.201.036 | Gray  | 42.5   1 1/4          | Fine    | 36.0   1.42   | 42.5   1.67   | 90   3.54           | 150   5.91         | 0.150   0.10           | 25   82            |
| 0232.201.048 | Gray  | 54.5   1 1/2          | Fine    | 48.0   1.89   | 54.5   2.15   | 100   3.94          | 190   7.48         | 0.220   0.15           | 25   82            |

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