

## Technical Data Sheet

### ROHRflex-PP

#### ROHRflex corrugated plastic tubings

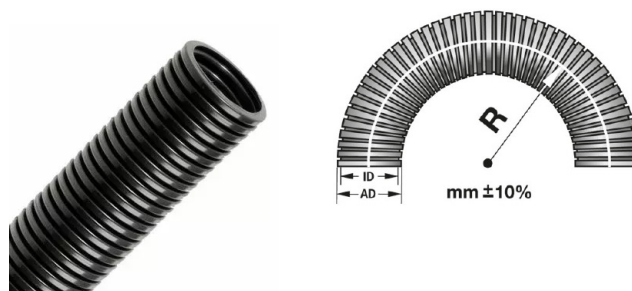
Protective all-plastic tubing, internally and externally corrugated, for very flexible applications, economic

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

**Material:** PP plastics

#### Characteristics:

- Air and liquid tight
- Resistant against hydrous solutions, acids and alkalis
- Widely resistant to solvents
- Free of silicone, cadmium, halogen
- Ozon resistant
- Outstanding UV-resistance
- Flame retardant



#### Applications:

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



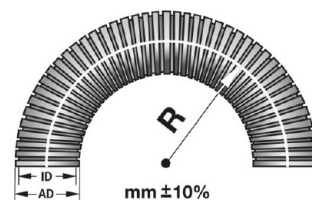
| Characteristics                                                        | Unit | Value                 | Test               |
|------------------------------------------------------------------------|------|-----------------------|--------------------|
| <b>Mechanical characteristics</b>                                      |      |                       |                    |
| 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                                        |      | >40,000               | WN-1003            |
| <b>Flame characteristics</b>                                           |      |                       |                    |
| Free of halogen and phosphor                                           |      | yes                   | DIN 53474          |
| Flame class                                                            |      | HB                    | UL 94              |
| Resistance to flame propagation                                        |      | non flame propagating | EN 61386-23        |
| <b>Specific characteristics</b>                                        |      |                       |                    |
| Resistance to fuels, mineral oil, fat alkalises, glycols, acids, bases |      | excellent             |                    |
| <b>Weather performance</b>                                             |      |                       |                    |
| UV-resistance                                                          | Std. | 3,000                 | 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                 | IEC 60529          |

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| 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 |
|--------------|-------|-----------------------|---------|---------------|---------------|---------------------|--------------------|------------------------|--------------------|
| 0231.002.006 | Black | 10.0   1/4            | Fine    | 6.9   0.27    | 9.9   0.39    | 15   0.59           | 45   1.77          | 0.010   0.01           | 50   164           |
| 0231.002.010 | Black | 13.0   5/16           | Fine    | 9.8   0.39    | 12.9   0.51   | 20   0.79           | 60   2.36          | 0.020   0.01           | 50   164           |
| 0231.002.012 | Black | 15.8   3/8            | Fine    | 12.2   0.48   | 15.7   0.62   | 25   0.98           | 75   2.95          | 0.035   0.02           | 50   164           |
| 0231.002.014 | Black | 18.5   7/16           | Fine    | 14.3   0.56   | 18.2   0.72   | 35   1.38           | 105   4.13         | 0.040   0.03           | 50   164           |
| 0231.002.016 | Black | 21.2   1/2            | Fine    | 16.6   0.65   | 21.2   0.83   | 40   1.57           | 120   4.72         | 0.050   0.03           | 50   164           |
| 0231.002.023 | Black | 28.5   3/4            | Fine    | 23.0   0.91   | 28.4   1.12   | 45   1.77           | 135   5.31         | 0.090   0.06           | 50   164           |
| 0231.002.029 | Black | 34.5   1              | Fine    | 28.9   1.14   | 34.3   1.35   | 55   2.17           | 165   6.50         | 0.110   0.07           | 25   82            |
| 0231.002.036 | Black | 42.5   1 1/4          | Fine    | 36.0   1.42   | 42.5   1.67   | 65   2.56           | 195   7.68         | 0.160   0.11           | 25   82            |
| 0231.002.048 | Black | 54.5   1 1/2          | Fine    | 48.0   1.89   | 54.5   2.15   | 80   3.15           | 240   9.45         | 0.210   0.14           | 25   82            |

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