# TECHNICAL DATA SHEET PA12 PHL FLEXIBLE HIPHL

| Internal diameter | External diameter | Bend radius | Working pressure | Burst pressure |
|---|---|---|---|---|
| | | PA12 | PA12 | PA12 |
| 2 | 4 | 20 | 49 | 147 |
| 4 | 6 | 30 | 29 | 87 |
| 6 | 8 | 40 | 21 | 63 |
| 6 | 9 | 45 | 29 | 87 |
| 8 | 10 | 60 | 16 | 48 |
| 7,5 | 10 | 60 | 21 | 63 |
| 8 | 11 | 60 | 23 | 69 |
| 9 | 12 | 60 | 21 | 63 |
| 10 | 12 | 85 | 14 | 42 |
| 10 | 14 | 75 | 24 | 72 |
| 12 | 15 | 90 | 16 | 48 |
| 12 | 16 | 95 | 21 | 63 |
| 14 | 18 | 100 | 18 | 54 |

## PROPERTIES

| | | | PA12 | |
|---|---|---|---|---|
| Density | | g/cm³ | 1,02 to 1,04 | |
| Melting temperature (± 5°C), in °C | | °C | 172 | |
| Water content (as-moulded), as a percentage by mass | | % | irrilevant | |
| Extractable matter, as percentage by mass | | % | 14±2 | |
| Minimum basic stress, $\sigma_{v\,min}$, at 23 °C in N/mm$^2$ | | N/mm2 | 20 | |
| Minimum impact energy, in J, at | (23±2) °C | °C | no fracture | |
| | (-40±3) °C | °C | 6 | |
| Modulus of elasticity of specimens in the as-moulded state (as in DIN 16 773-1), at 23°, in N/mm2 | | N/mm2 | > 350 | ≤450 |

**Working temperature PA12** **-60 to +130 °C**

Pressure correction scale according to temperature

| °C | °C | °C | °C | °C | °C | °C | °C |
|---|---|---|---|---|---|---|---|
| -40 | 0 | 30 | 40 | 60 | 80 | 110 | 130 |
| 1 | 1 | 0,8 | 0,6 | 0,45 | 0,35 | 0,25 | 0,2 |