

Fuel, Oil & Air - Ledalon 12[®]

Formula N12

| | |
|------------------------------------|-------------------|
| Hydraulic Burst Pressure (minimum) | 82 Bar / 1200 Psi |
| Temperature Range | -20 to 120 °C |
| Tensile Strength | 25.0 MPa |
| Specific Gravity | 1.02 ± 0.02 |



Main Applications

- Transfer of fuels, oils and lubricants
- High pressure pneumatic air lines for process control and instrumentation
- High temperature environments
- Where crush and fatigue resistance are required

Features

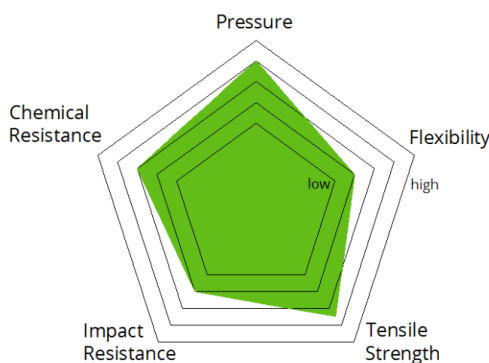
- Excellent resistance to solvents, hydrocarbons, oils, greases and petroleum products
- Wide temperature and pressure working range
- Good chemical resistance
- Low gas permeability
- Resistant to flexural fatigue and vibration

| Product Code | OD (mm) | Tolerance (mm) | Nominal ID (mm) | Min Bend Radius (mm) | Standard Coil (m) |
|--------------|-------------|--------------------|---------------------|----------------------|-------------------|
| N12-04 | 4.00 | +0.05 / -0.07 | 2.5 | 30 | 300 |
| N12-06 | 6.00 | +0.05 / -0.07 | 4.00 | 42 | 300 |
| N12-08 | 8.00 | +0.05 / -0.10 | 5.00 | 56 | 100 |
| N12-10 | 10.00 | +0.05 / -0.10 | 6.50 | 70 | 100 |
| N12-12 | 12.00 | +0.05 / -0.10 | 8.00 | 84 | 100 |
| N12-16 | 16.00 | +0.05 / -0.10 | 12.20 | 120 | 50 |
| N12-19 | 19.00 | +0.05 / -0.10 | 15.00 | 150 | 50 |
| Product Code | OD (inches) | Tolerance (inches) | Nominal ID (inches) | Min Bend Radius (mm) | Standard Coil (m) |
| N12-1800 | 1/8" | +0.001/-0.003 | 0.08 | 30 | 300 |
| N12-1400 | 1/4" | +0.001/-0.004 | 0.17 | 42 | 300 |
| N12-3800 | 3/8" | +0.001/-0.004 | 0.25 | 70 | 100 |
| N12-1200 | 1/2" | +0.001/-0.004 | 0.37 | 84 | 100 |

Recommended Temperature/Pressure Range

| ° Celsius | -20 | 0 | 10 | 20 | 40 | 50 | 65 | 80 | 95 | 110 | 120 |
|------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Working Pressure (psi) | 700 | 650 | 625 | 600 | 450 | 375 | 250 | 200 | 125 | 85 | 60 |
| Working Pressure (bar) | 48 | 45 | 43 | 41 | 31 | 26 | 17 | 13 | 8 | 6 | 4 |

Material Properties Quick Reference



Colour Range

Black



Natural

Blue



Green



Red



Yellow



Other colours available by special order