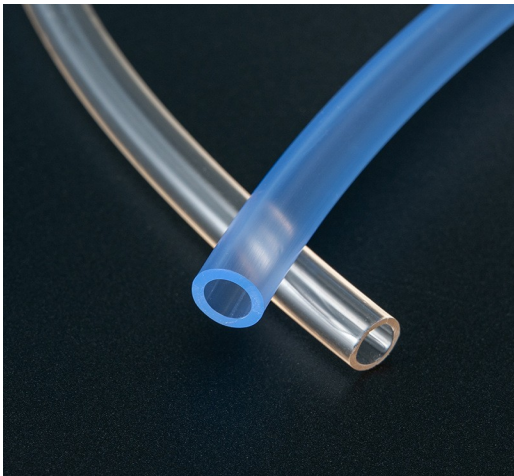


PVC TUBE

GD-PVC

● Overview

| Name       | Fire Resistance Rating   | Application                                                                                                      | Working Temperature |
|------------|--------------------------|------------------------------------------------------------------------------------------------------------------|---------------------|
| GD-PVC-300 | VW-1 UL&C-UL No. E515658 | Ideal for flexible connections, providing both insulation and flexible protection for connectors and components. | -10°C to 105°C      |
| GD-PVC-600 | VW-1 UL&C-UL No. E515658 |                                                                                                                  |                     |



Key Properties:

- Soft and elastic
- Electrical insulation
- High flame retardancy, meeting VW-1 standard
- RoHS compliant

● Specifications

| Item                            | Test Method  | Criteria                   | Typical Value              |
|---------------------------------|--------------|----------------------------|----------------------------|
| longitudinal Change             | ASTM D2671   | ≤±5%                       | -3%                        |
| Tensile Strength                | ASTM D638    | ≥10.4MPa                   | 14.0MPa                    |
| Elongation at Break             | ASTM D638    | ≥200%                      | 400%                       |
| Air Oven Aging                  | 136°C/168hrs | —                          | —                          |
| Tensile Strength after Aging    | ASTM D638    | ≥7.3MPa                    | 9.3MPa                     |
| Elongation at Break after Aging | ASTM D638    | ≥100%                      | 200%                       |
| Volume Resistivity              | ASTM D2671   | ≥10*10 <sup>-10</sup> Ω·cm | 3.6*10 <sup>-10</sup> Ω·cm |
| Breakdown Voltage               | UL224        | 2500V ( 60s )              | No breakdown               |
| Thermal Shock                   | 180°C/4hrs   | No dripping, no cracking   | Comply                     |
| Cold Bend                       | -30°C/1h     | No Cracking                | Comply                     |

● Standard Size

| Model | Inner Diameter ( mm ) | Wall Thickness ( mm ) |      |
|-------|-----------------------|-----------------------|------|
|       |                       | 300V                  | 600V |
| 5/8   | 15.9                  | 0.70                  | 0.70 |
| 9/16  | 14.3                  | 0.70                  | 0.70 |
| 1/2   | 12.7                  | 0.57                  | 0.57 |
| 7/16  | 11.1                  | 0.57                  | 0.57 |
| 3/8   | 9.53                  | 0.57                  | 0.57 |
| 5/16  | 7.92                  | 0.57                  | 0.57 |
| 0#    | 8.38                  | 0.45                  | 0.57 |
| 1#    | 7.47                  | 0.45                  | 0.57 |
| 2#    | 6.68                  | 0.45                  | 0.57 |
| 3#    | 5.94                  | 0.45                  | 0.57 |
| 4#    | 5.28                  | 0.45                  | 0.57 |
| 5#    | 4.72                  | 0.45                  | 0.57 |
| 6#    | 4.22                  | 0.45                  | 0.57 |
| 7#    | 3.87                  | 0.45                  | 0.57 |
| 8#    | 3.38                  | 0.45                  | 0.57 |
| 9#    | 3.00                  | 0.45                  | 0.57 |
| 10#   | 2.69                  | 0.35                  | 0.57 |
| 11#   | 2.41                  | 0.35                  | 0.57 |
| 12#   | 2.16                  | 0.35                  | 0.57 |
| 13#   | 1.93                  | 0.35                  | 0.57 |
| 14#   | 1.68                  | 0.35                  | 0.57 |
| 15#   | 1.50                  | 0.35                  | 0.57 |
| 16#   | 1.34                  | 0.35                  | 0.57 |
| 17#   | 1.19                  | 0.35                  | 0.57 |
| 18#   | 1.07                  | 0.35                  | 0.45 |
| 19#   | 0.96                  | 0.35                  | 0.45 |
| 20#   | 0.86                  | 0.35                  | 0.45 |
| 21#   | 0.79                  | 0.35                  | 0.45 |