

| Material | Colour | Texture | Nail Test | Floats on water | Flammability | Joining | Density (g/cm3) |
|----------------------------|----------------|--------------|-----------|-----------------|---|---|-----------------|
| PVC-U | Dark Grey | Shiny Smooth | No | No | In flame carbonises, extinguishes away from flame | Solvent cement: Tangit/Dytex | 1.38 |
| PVC-C | Light Grey | Shiny Smooth | No | No | In flame carbonises, extinguishes away from flame | Solvent cement: Tangit/Dytex | 1.5 |
| ABS | Mid Grey | Shiny Smooth | No | No | Bright flame and drips, continues to burn away from flame | Solvent cement: Tangit | 1.03 |
| PE | Black | Waxy | Yes | Yes | Bright flame and drips, continues to burn away from flame | Heat Fusion: Butt, socket & electro fusion, compression | 0.95 |
| PROGEF PP Standard | Light Beige | Waxy | Slight | Yes | Bright flame and drips, continues to burn away from flame | Heat Fusion: Butt fusion, Socket fusion & IR | 0.91 |
| PROGEF PP Natural | Brown - Opaque | Waxy | Slight | Yes | Bright flame and drips, continues to burn away from flame | Heat Fusion: Butt fusion, BCF & IR | 0.91 |
| SYGEF PVDF Plus & Standard | White - Opaque | Shiny Smooth | No | No | In flame carbonises, extinguishes away from flame | Heat Fusion: Butt fusion, BCF & IR | 1.78 |
| PB (INSTAFLEX; IFT) | Grey | Smooth | Slight | Yes | Continues to burn away from flame | Heat Fusion: Butt, socket & electro fusion, compression | 0.94 |
| Multilayer pipe (IFT) | White | Smooth | No | Yes | Normal flammable | Push fit | 0.94 |
| PP-R (AQUASYSTEM) | Light brown | Smooth | Slight | Yes | Bright flame and drips, continues to burn away from flame | Heat fusion: Socket & electro fusion | 0.905 |

| Material | Operating Temperature | Dimension |
|-----------------------|--|----------------------------|
| PVC-U | -50 - 40 - 30 - 20 - 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 | 6 - 400 mm 3/8 - 8 inch |
| PVC-C | 0°C to +60°C | 16 - 225 mm |
| ABS | 0°C to +80°C | 16 - 315 mm 3/8 - 8 inch |
| PE | d250 - d315 operating temp +40°C | 16 - 630 mm |
| PROGEF PP | -40°C to +60°C | 16 - 500 mm |
| SYGEF PVDF | -50°C to +60°C | 16 - 315 mm |
| PB (INSTAFLEX; IFT) | -10°C to +90°C | 16 - 225 mm |
| Multilayer pipe (IFT) | -20°C to +140°C | 16 - 32 mm |
| PP-R (AQUASYSTEM) | -0°C to +95°C | 16 - 125 mm |

| Material | Maximum pressure rating (PN) based on 20°C water |
|----------------------------|--|
| PVC-U BS Inch | 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 bar |
| PVC-U Metric | PN15 (Class D 3/4 - 4") PN12 (Class C 2 - 8") PN9 (Class C 2 - 8") PN10 (25-315mm) PN12 (Class D 6") PN15 (Class E 3/8 - 6") PN16 (16-160mm) PN10 (75-225mm) PN12 (Class C 1.8") PN9 (Class C 1.8") PN12 (Class T 1/2 - 2") PN10 (d82 - d225) |
| PVC-C | PN10 (16-500mm) PN16 (20-25mm) |
| ABS BS Inch | PN10 (90 - 315mm) |
| ABS Metric | PN10 (90 - 315mm) |
| PE | PN10 |
| PROGEF PP Standard | PN16 (20-225mm) |
| PROGEF PP Natural | PN16 (20-225mm) |
| SYGEF PVDF Plus & Standard | PN16 (20-225mm) |
| PB (INSTAFLEX; IFT) | PN16 (20-225mm) |
| INSTA BIG d125 - d225 | PN16 (20-225mm) |
| Multilayer pipe (IFT) | PN10 |
| PP-R (AQUASYSTEM) | PN16 |

| Pipe Sizes | nearest equivalent |
|------------|--------------------|
| NB (inch) | OD (mm) |
| 1/2 | 20 |
| 3/4 | 25 |
| 1 | 32 |
| 1 1/4 | 40 |
| 1 1/2 | 50 |
| 2 | 63 |
| 2 1/2 | 75 |
| 3 | 90 |
| 4 | 110 |
| 5 | 140 |
| 6 | 160 |
| 8 | 225 |