

PVC Profiles - Technical Data Sheet



the people for plastics

| Mechanical | Test method | Unit | Value |
|---------------------------------|-------------|-------------------|-------|
| Density | 53479 | g/cm ³ | 1,4 |
| Tensile strength at break | 53455 | Mpa | 55 |
| Elongation at break | 53455 | % | >18 |
| Modulus of elasticity | 53457 | MPa | 3000 |
| Notched impact strength at 23°C | 53453 | Kj/M ² | 4 |
| Shore hardness | 53505 | Scala D | 80 |

| Thermal | Test method | Unit | Value |
|---|-------------|--------------------|-------|
| VICAT softening point | 53460 | °C | 75 |
| Coefficient of linear thermal expansion | 53752 | K'x10 ⁴ | 0,8 |
| Thermal conductivity | 52612 | W/mk | 0,14 |

| Electrical | Test method | Unit | Value |
|-----------------------------|-------------|-------|-------|
| Dialectical strength | 53481 | Kv/mm | 32 |
| Surface resistivity | 53482 | Ohm | 1013 |
| Dielectric constant at 1MHz | 53483 | | 3 |

| General | Test method | Unit | Value |
|---------------------------|-------------|------|-------|
| Fire behaviour | UL94 | | V0 |
| | 4102 | | B1 |
| Water absorption | 53495 | % | 0,2 |
| Non-toxicity | | | No |
| Bond ability | | | Yes |
| Working temperature range | | °C | 55 |