Röchling

Industrial

# Technical Data Sheet

# Polystone® D coloured

### Product characteristics

- Good mechanical properties
- Physiologically safe
- Very wear-, cutting and scratch resistant

### Product applications

- Environment and disposal technology
- Cutting boards
- Food processing industry

| | Test method | Unit | Value |
|---|---|---|---|
| **Propriétés générales** | | | |
| Density | DIN EN ISO 1183-1 | g / $cm^3$ | >0,95 |
| Water absorption | DIN EN ISO 62 | % | <0,01 |
| Inflammabilité (Épaisseur 3 mm / 6 mm) | UL 94 | | HB |
| **Propriétés mécaniques** | | | |
| Limite d'élasticité | DIN EN ISO 527 | MPa | >27 |
| Élongation | DIN EN ISO 527 | % | >50 |
| Module d'élasticité | DIN EN ISO 527 | MPa | >1200 |
| Shore hardness | DIN EN ISO 868 | scale D | 65 |
| **Propriétés thermiques** | | | |
| Température de fusion | ISO 11357-3 | °C | 130 ... 135 |
| Thermal conductivity | DIN 52612-1 | W / (m * K) | 0,40 |
| Thermal capacity | DIN 52612 | kJ / (kg * K) | 1,90 |
| Coefficient de dilatation thermique linéaire | DIN 53752 | $10^{-6}$ / K | 150 ... 230 |
| Température de service, à long terme | Average | °C | -100 ... 80 |
| Température de service, court terme (max.) | Average | °C | 80 |
| Vicat softening temperature | DIN EN ISO 306, Vicat B | °C | 79 |
| **Propriétés électriques** | | | |
| Dielectric constant | IEC 60250 | | 2,3 |
| Dielectric dissipation factor ($10^6$ Hz) | IEC 60250 | | 0,0002 |
| Volume resistivity | DIN EN 62631-3-1 | Ω * cm | $>10^{14}$ |
| Résistivité de surface | DIN EN 62631-3-2 | Ω | $>10^{14}$ |
| Comparative tracking index | IEC 60112 | | 600 |
| Dielectric strength | IEC 60243 | kV / mm | >40 |

The data stated above are average values ascertained by statistical tests on a regular basis. They are in accordance with DIN EN 15860. The data above are provided purely for information and shall not be regarded as binding unless expressly agreed in a contract of sale.

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INTEGRATED MANAGEMENT SYSTEM