

### Technical Data Sheet

## EtroX<sup>®</sup> I CM G15 grey

PI

#### Typical characteristics

- high dimensional stability under heat
- Heat resistant
- Low creep tendency
- Low moisture absorption

#### Typical industries

- Semiconductor Industry
- Electronics

|  | Test method                    | Unit                | Guideline value |
|--|--------------------------------|---------------------|-----------------|
| <b>General properties</b>                |                                |                     |                 |
| Density                                  | DIN EN ISO 1183-1              | g / cm <sup>3</sup> | 1,46            |
| Water absorption                         | DIN EN ISO 62 (23°C / 24h)     | %                   | 0,6             |
| Water absorption                         | DIN EN ISO 62 (23°C / 48h)     | %                   | 0,8             |
| Water absorption                         | DIN EN ISO 62 (23°C / 3 Weeks) | %                   | 2,1             |
| <b>Mechanical properties</b>             |                                |                     |                 |
| Elongation at break                      | DIN EN ISO 527                 | %                   | 5               |
| Tensile modulus of elasticity            | DIN EN ISO 527                 | MPa                 | 3900            |
| Tensile strength                         | DIN EN ISO 527                 | MPa                 | 100             |
| Impact strength                          | DIN EN ISO 179                 | kJ / m <sup>2</sup> | 40              |
| Notched impact strength                  | DIN EN ISO 179                 | kJ / m <sup>2</sup> | 3               |
| Shore hardness                           | DIN EN ISO 868                 | scale D             | 85              |
| Elastic modulus of compression           | DIN EN ISO 604                 | MPa                 | 2700            |
| <b>Thermal properties</b>                |                                |                     |                 |
| Temp. of deflection under load, 1.80 MPa | ISO 75-1/-2                    | °C                  | 335             |
| Temp. of deflection under load, 0.45 MPa | ISO 75-1/-2                    | °C                  | 345             |

