

# Technical Data Sheet



## ROMILOY® ABS / PC 9035

ABS / PC-Blend, flame retardant

| Properties                              | Test Unit                         | Test Method     | Test Condition               | Value*    | Remarks                           |
|---|-----------------------------------|-----------------|------------------------------|-----------|-----------------------------------|
| <b>Mechanical .....</b>                 |                                   |                 |                              |           |                                   |
| Tensile Modulus                         | MPa                               | DIN EN ISO 527  | 1 mm/min<br>23°C             | 2,600     |                                   |
| Tensile Strength                        | MPa                               | DIN EN ISO 527  | 50 mm/min<br>23°C            | 53        |                                   |
| Elongation at Break                     | %                                 | DIN EN ISO 527  | 50 mm/min<br>23°C            | 30        |                                   |
| Flexural Modulus                        | MPa                               | DIN EN ISO 178  | 2 mm/min<br>23°C             | 2,700     |                                   |
| Flexural Strength                       | MPa                               | DIN EN ISO 178  | 2 mm/min<br>23°C             | 92        |                                   |
| Notched Impact Strength (Charpy)        | kJ/m <sup>2</sup>                 | ISO 179 1eA     | 80 x 10 x 4 mm<br>23°C/-30°C | 26/-      |                                   |
| Impact Strength (Charpy)                | kJ/m <sup>2</sup>                 | ISO 179 1eU     | 80 x 10 x 4 mm<br>23°C/-30°C | n.b./-    |                                   |
| <b>Physical.....</b>                    |                                   |                 |                              |           |                                   |
| Density                                 | g/cm <sup>3</sup>                 | DIN EN ISO 1183 | 23°C, 50% RH                 | 1.18      |                                   |
| Water Absorption                        | %                                 | DIN EN ISO 62   | 23°C, 24 h                   | 0.3       |                                   |
| <b>Thermal.....</b>                     |                                   |                 |                              |           |                                   |
| Heat Distortion Temperature HDT A       | °C                                | DIN EN ISO 75   | 1.8 MPa                      | 75        |                                   |
| Vicat Softening Temperature B 50        | °C                                | DIN EN ISO 306  | 50 °C/h<br>50N               | 99        |                                   |
| Melt Flow Rate, MFR                     | g/10 min                          | DIN EN ISO 1133 | 240°C, 5kg                   | 30        |                                   |
| Thermal Coefficient of Linear Expansion | 10 <sup>-4</sup> .K <sup>-1</sup> | DIN 53752       | 23°C-55°C                    | -         |                                   |
| Shrinkage                               | %                                 | DIN 16901       | 23°                          | 0.3 – 0.6 |                                   |
| Flammability                            | class                             | UL-94           | 1.6 mm                       | V0        | => UL listed<br>File No.: E148878 |

\* = These are average figures, which could vary in each production batch due to addition of pigments, antistatica, slip, uv stabilizer or other.

**ROMIRA GMBH**