

# Technical Data Sheet

## ROMILOY® 1015



ABS / PC-Blend, standard injection moulding grade  
High impact, high temperature resistance

| Properties                          | Unit                               | Test Method | Test Condition         | Value*    | Remarks |
|-------------------------------------|------------------------------------|-------------|------------------------|-----------|---------|
| <b>Mechanical.....</b>              |                                    |             |                        |           |         |
| Tensile Modulus                     | MPa                                | ISO 527     | 23°C<br>1 mm/min       | 2,200     |         |
| Tensile Strength                    | MPa                                | ISO 527     | 23°C<br>50 mm/min      | 55        |         |
| Elongation at Break                 | %                                  | ISO 527     | 23°C<br>50 mm/min      | 130       |         |
| Flexural Modulus                    | MPa                                | ISO 178     | 23°C<br>2 mm/min       | 2,000     |         |
| Flexural Strength                   | MPa                                | ISO 178     | 23°C<br>2 mm/min       | 85        |         |
| Impact Strength Notched (Charpy)    | kJ/m <sup>2</sup>                  | ISO 179 1eA | 80 x 10 x 4 mm<br>23°C | 42        |         |
| Impact Strength (Charpy)            | kJ/m <sup>2</sup>                  | ISO 179 1eU | 80 x 10 x 4 mm<br>23°C | n.b.      |         |
| <b>Physical.....</b>                |                                    |             |                        |           |         |
| Density                             | g/cm <sup>3</sup>                  | ISO 1183    | 23°C, 50% RH           | 1.15      |         |
| Water Absorption                    | %                                  | ISO 62      | 23°C, 24 h             | 0.2       |         |
| <b>Thermal.....</b>                 |                                    |             |                        |           |         |
| Heat Distortion Temperature (HDT A) | °C                                 | ISO 75      | 1.8 MPa                | 110       |         |
| Vicat Softening Temperature (B 50)  | °C                                 | ISO 306     | 50°C/h<br>50 N         | 138       |         |
| Melt Flow Rate MFR                  | g/10 min                           | ISO 1133    | 260°C<br>5 kg          | 17        |         |
| Linear Thermal Expansion            | 10 <sup>-4</sup> · K <sup>-1</sup> | ISO 11359-2 | 23°C - 55°C            | 0.85      |         |
| Moulding Shrinkage                  | %                                  | ISO 294-4   | 23°C                   | 0.4 - 0.7 |         |
| Flammability (own test)             | Class                              | UL 94       | 1.6 mm                 | HB        |         |

\* = Average figures which could vary with each production batch due to addition of pigments, antistatic agents, slip agents, light stabilizers or other additives.

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