

## Technical Data Sheet [TDS]

## PC Dinaxan Grey RAL

Reference: PC1S25 G10V0 UV-7035

| Properties                              | Unit              | Method      | Value<br>d.a.m. |
|---|-------------------|-------------|-----------------|
| <b>Physical</b>                         |                   |             |                 |
| Relative density                        | g/cm <sup>3</sup> | ISO 1183    | 1,28            |
| <b>Mechanical</b>                       |                   |             |                 |
| Tensile modulus (1 mm/min)              | MPa               | ISO 527     | 4200            |
| Stress at break (5 mm/min)              | MPa               | ISO 527     | 70              |
| Strain at break (5 mm/min)              | %                 | ISO 527     | 4,5             |
| Flexural modulus (2 mm/min)             | MPa               | ISO 178     | 3000            |
| Flexural strength (2 mm/min)            | MPa               | ISO 178     | 105             |
| Charpy notched impact strength (23°C)   | kJ/m <sup>2</sup> | ISO 179/1eA | 4               |
| Charpy unnotched impact strength (23°C) | kJ/m <sup>2</sup> | ISO 179/1eU | 33              |
| <b>Rheological</b>                      |                   |             |                 |
| Melt flow index M.F.I. (300°C, 1.2 kg)  | g/10min           | ISO 1133    | 22              |
| <b>Thermal</b>                          |                   |             |                 |
| VICAT softening temperature             | °C                | ISO 306     | >145            |
| Flammability classification (3 mm)      | V0-V1-V2-HB       | UL 94       | V0              |
| <b>Processing</b>                       |                   |             |                 |
| Melt temperature range                  | °C                | -           | 280 - 325       |
| Recommended mould temperature           | °C                | -           | 80 - 120        |
| Drying temperature                      | °C                | -           | 120             |
| Drying time                             | h                 | -           | 3 - 5           |

The data submitted here are, to the best of Grupo Repol's knowledge, representative of the range of properties for the listed products, but should not be used to establish process limits or used as the direct basis of design. Colorants or other additives may alter these properties. The data are given for natural grade unless otherwise specified.

Last update: 06/ 2014



