PC PBT
Dinablend®

Repol

## TECHNICAL DATA SHEET [TDS]

**PC/PBT Dinablend** **REFERENCE: PCPBT1S15 HI UV-7035**

## PRODUCT DESCRIPTION

PC/PBT Dinablend, High impact, UV stabilized, RAL 7035

| PROPERTIES | UNITS | METHOD | VALUE D.A.M |
|---|---|---|---|
| **Physical** | | | |
| Relative density | g/cm³ | ISO 1183 | 1,20 |
| **Mechanical** | | | |
| Tensile modulus (1 mm/min) | MPa | ISO 527 | 2200 |
| Tensile Stress at yield (5mm/min) | Mpa | ISO 527 | 55 |
| Tensile Strain at yield (50mm/min) | % | ISO 527 | 3,9 |
| Flexural modulus (2 mm/min) | MPa | ISO 178 | 2300 |
| Flexural strength (2 mm/min) | MPa | ISO 178 | 83 |
| Charpy notched impact strength (23ºC) | kJ/m² | ISO 179/1eA | 60 |
| Charpy unnotched impact strength (23ºC) | kJ/m² | ISO 179/1eU | NB |
| **Rheological** | | | |
| Melt flow index M.F.I. (260ºC, 2.16 kg) | g/10min | ISO 1133 | 18 |
| **Thermal** | | | |
| VICAT softening temperature | ºC | ISO 306-B50 | >100 |
| Flammability classification (1.6mm) | V0-V1-V2-HB | UL 94 | HB |
| Burning rate | mm/min | ISO 3795 | <100 |

**UPDATE DATE** may.-2018

The data submited 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.

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| PROPERTIES | UNITS | METHOD | VALUE D.A.M |
|---|---|---|---|
| **Processing** | | | |
| Melt temperature range | ºC | - | 255 - 280 |
| Recommended mould temperature | ºC | - | 60 - 80 |
| Drying temperature | ºC | - | 110 |
| Drying time | h | - | 3 - 4 |

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