PA
Dinalon®

Repol

## TECHNICAL DATA SHEET [TDS]

**PA66 Dinalon** **REFERENCE: A1S25 G15DI H-0011**

## PRODUCT DESCRIPTION

PA66 Dinalon, 15% Glass fibre, Dry impact, Heat stabilized, Natural

| PROPERTIES | UNITS | METHOD | VALUE D.A.M |
|---|---|---|---|
| **Physical** | | | |
| Relative density | g/cm³ | ISO 1183 | 1,23 |
| Humidity | % | ISO 15512-B | < 0.25 |
| Ash content | % | ISO 3451 | 15 |
| **Mechanical** | | | |
| Tensile modulus (1 mm/min) | MPa | ISO 527 | 5700 |
| Tensile Stress at yield (5mm/min) | Mpa | ISO 527 | 127 |
| Stress at break (5 mm/min) | MPa | ISO 527 | 120 |
| Tensile Strain at yield (5mm/min) | % | ISO 527 | 3,8 |
| Strain at break (5 mm/min) | % | ISO 527 | 4 |
| Flexural modulus (2 mm/min) | MPa | ISO 178 | 5500 |
| Flexural strength (2 mm/min) | MPa | ISO 178 | 185 |
| Charpy notched impact strength (23ºC) | kJ/m² | ISO 179/1eA | 15 |
| Charpy unnotched impact strength (23ºC) | kJ/m² | ISO 179/1eU | 68 |
| **Thermal** | | | |
| Heat deflection temperature HDT (1.80MPa) | ºC | ISO 75-A | 240 |

**UPDATE DATE** mar.-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 | - | 255-290 |
| Recommended mould temperature | ºC | - | 70-100 |
| Drying temperature | ºC | - | 80 |
| Drying time | h | - | 2 - 4 |

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