

# DENIGREEN P 20G RC 2S 07 UV

PP post consumer recycled based injection moulding compound, 20% glass fiber reinforced, UV stabilized



DENIGREEN

| PROPERTY                       | CONDITIONS       | NORMS           | UNITS                   | VALUE |
|--------------------------------|------------------|-----------------|-------------------------|-------|
| <b>PHYSICAL PROPERTIES</b>     |                  |                 |                         |       |
| Density                        | -                | ISO-1183        | g/cm <sup>3</sup>       | 1,05  |
| MVR (230°C/2,16 kg)            | -                | ISO-1133        | cm <sup>3</sup> /10 min | 15    |
| Linear Mould Shrinkage         | -                | ASTM D-955      | %                       | 0,5   |
| Trasversal Mould Shrinkage     | -                | ASTM D-955      | %                       | 0,8   |
| Water Adsorption               | 23°C-24h         | ASTM D-570      | %                       | 0,02  |
| <b>THERMAL PROPERTIES</b>      |                  |                 |                         |       |
| Vicat Softening Point          | VICAT B (50 N)   | ASTM D-1525     | °C                      | 110   |
| Heat Distortion Temperature    | HDT A (1,80 MPa) | ASTM D-648      | °C                      | 130   |
| Long Term Temperature          | -                | Internal Method | °C                      | 110   |
| <b>MECHANICAL PROPERTIES</b>   |                  |                 |                         |       |
| Impact Strength Izod Notched   | 23 °C            | ISO-180/A       | kJ/m <sup>2</sup>       | 9     |
| Impact Strength Izod Unnotched | 23 °C            | ISO-180/U       | kJ/m <sup>2</sup>       | 35    |
| Tensile Strength at Break      | 23 °C            | ISO-527/1-2     | MPa                     | 50    |
| Elongation at Break            | 23 °C            | ISO-527/1-2     | %                       | 4     |
| Tensile Modulus                | 23 °C            | ISO-527/1-2     | MPa                     | 4000  |
| Flexural Strength              | 23 °C            | ASTM D-790      | MPa                     | 75    |
| Flexural Modulus               | 23 °C            | ASTM D-790      | MPa                     | 3300  |

