

# ARDLON

## BRG6 PA66 GF30

|                                   |                |                   |       |       |
|-----------------------------------|----------------|-------------------|-------|-------|
| Density                           |                | g/cm <sup>3</sup> | Dry   | 1.38  |
| Tensile E-Modulus                 | 1mm/min        | Mpa               | Dry   | 8,500 |
|                                   |                | Mpa               | Cond. | 6,000 |
| Tensile Strength at yield         | 50mm/min       | Mpa               | Dry   | 170   |
|                                   |                | Mpa               | Cond. | 110   |
| Elongation at yield               | 50mm/min       | %                 | Dry   | 3     |
|                                   |                | %                 | Cond. | 4     |
| Tensile strength at break         | 50mm/min       | Mpa               | Dry   | 170   |
|                                   |                | Mpa               | Cond. | 110   |
| Elongation at break               | 50mm/min       | %                 | Dry   | 3     |
|                                   |                | %                 | Cond. | 7     |
| Impact strength                   | Charpy, 23 °C  | Kj/m <sup>2</sup> | Dry   | 60    |
|                                   |                | Kj/m <sup>2</sup> | Cond. | 80    |
| Impact strength                   | Charpy, -30 °C | Kj/m <sup>2</sup> | Dry   | 60    |
|                                   |                | Kj/m <sup>2</sup> | Cond. | 60    |
| Notched impact strength           | Charpy, 23 °C  | Kj/m <sup>2</sup> | Dry   | 10    |
|                                   |                | Kj/m <sup>2</sup> | Cond. | 18    |
| Notched impact strength           | Charpy, -30 °C | Kj/m <sup>2</sup> | Dry   | 7     |
|                                   |                | Kj/m <sup>2</sup> | Cond. | 8     |
| Ball indentation hardness         |                | Mpa               | Dry   | 200   |
|                                   |                | Mpa               | Cond. | 100   |
| Thermal properties:               |                |                   |       |       |
| Melting point                     | DSC            | °C                | Dry   | 220   |
| Heat deflection temperature HDT/A | 1.80Mpa        | °C                | Dry   | 200   |
| Heat deflection temperature HDT/C | 8.00Mpa        | °C                | Dry   | 105   |