

## Armlen PP MD 40-4HS-901 (black)

40% mineral filled polypropylene, heat stabilized, black colored, for structural part application.

| Properties                                  | Test Method | Unit              | Value   |
|---|-------------|-------------------|---------|
| <b>PHYSICAL-MECHANICAL</b>                  |             |                   |         |
| Density                                     | ISO 1183    | g/cm <sup>3</sup> | 1,22    |
| Tensile Strength                            | ISO 527     | MPa               | 26      |
| Flexural Stress at maximum load             | ISO 178     | MPa               | 50      |
| Flexural Modulus                            | ISO 178     | MPa               | 3600    |
| <b>IMPACT</b>                               |             |                   |         |
| Charpy Impact Strength at +23°C (unnotched) | ISO 179     | kJ/m <sup>2</sup> | 28      |
| Charpy Impact Strength at +23°C (notched)   | ISO 179     | kJ/m <sup>2</sup> | 3,5     |
| <b>THERMAL</b>                              |             |                   |         |
| Melting Point                               | ISO 11357   | °C                | 162     |
| HDT, 1,8 MPa                                | ISO 75A     | °C                | 90      |
| <b>PROCESSIN</b>                            |             |                   |         |
| Melt Flow Rate (230°C; 2,16 kg)             | ISO 1133    | g/10 min          | 10-15   |
| <b>TECHNICAL</b>                            |             |                   |         |
| Moulding Shrinkage, parallel                | ISO 294-4   | %                 | 0,7-0,9 |
| Moulding Shrinkage, normal                  | ISO 294-4   | %                 | 0,7-0,9 |
| Melt Temperature                            |             | °C                | 245     |
| Mold Temperature                            |             | °C                | 60      |

Comment:

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