

# UBESTA 3024LU

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## Engineering Plastics

Dry as molded

|                                                                 |          | Unit                | Test method | Measured value   |
|-----------------------------------------------------------------|----------|---------------------|-------------|------------------|
| Melting temperature                                             |          | ° C                 | ISO 11357-3 | 178              |
| Density                                                         |          | g/cm <sup>3</sup>   | ISO 1183-3  | 1.02             |
| Tensile stress at yield                                         |          | MPa                 | ISO 527-1,2 | 47               |
| Tensile strain at yield                                         |          | %                   | ISO 527-1,2 | 5                |
| Tensile strain at break                                         |          | %                   | ISO 527-1,2 | > 150            |
| Flexural strength                                               |          | MPa                 | ISO 178     | 60               |
| Flexural modulus                                                |          | MPa                 | ISO 178     | 1,600            |
| Shore hardness                                                  | D-scale  | -                   | ISO 868     | 77               |
| Rockwell hardness                                               | R-scale  | -                   | ISO 2039-2  | 105              |
| Impact strength (Charpy, Notched)                               | 23 ° C   | kJ/m <sup>2</sup>   | ISO 179/1eA | 6C               |
|                                                                 | -40 ° C  | kJ/m <sup>2</sup>   | ISO 179/1eA | 6C               |
| Temp. of deflection under load                                  | 0.45 MPa | ° C                 | ISO 75-2    | 115              |
|                                                                 | 1.8 MPa  | ° C                 | ISO 75-2    | 47               |
| Moulding shrinkage (In flow direction/ In transverse direction) |          | %                   | ISO 294-4   | 0.9/1.2          |
| Abrasion loss (CS-17. 1,000 rev.)                               |          | mg                  | ISO 9352    | 6                |
| Coef. Of linear thermal expansion                               |          | 10 <sup>-4</sup> /K | ISO 11359-2 | 1.3              |
| Volume resistivity                                              |          | Ω·cm                | IEC 60093   | 10 <sup>15</sup> |
| Moisture absorption (24 h in water at 23 ° C)                   |          | %                   | ISO 62      | 0.6              |
| Melt flow rate(235 ° C/2,160 g)                                 |          | g/10 min            | ISO 1133    | 8                |
| Comments                                                        |          |                     |             | General          |
| Color                                                           |          |                     |             | Black            |

Impact Strength:N=not broken P=partially broken C=completely broken