

| Processing/Physical Characteristics                | Value     | Unit              | Test Standard   |
|--|-----------|-------------------|-----------------|
| <b>ISO Data</b>                                    |           |                   |                 |
| Molding shrinkage, parallel                        | 0.9       | %                 | ISO 294-4, 2577 |
| Molding shrinkage, normal                          | 1.1       | %                 | ISO 294-4, 2577 |
| <b>Mechanical properties</b>                       |           |                   |                 |
| <b>ISO Data</b>                                    |           |                   |                 |
| Tensile Modulus                                    | 21000     | MPa               | ISO 527         |
| Stress at break                                    | 140       | MPa               | ISO 527         |
| Strain at break                                    | 1.75      | %                 | ISO 527         |
| Izod notched impact strength, +23°C                | 6         | kJ/m <sup>2</sup> | ISO 180/1A      |
| <b>Thermal properties</b>                          |           |                   |                 |
| <b>ISO Data</b>                                    |           |                   |                 |
| Melting temperature, 10°C/min                      | 225       | °C                | ISO 11357-1/-3  |
| Burning behav. at 1.5 mm nom. thickn.              | HB        | class             | IEC 60695-11-10 |
| Thickness tested                                   | 1.6       | mm                | -               |
| Burning behav. at thickness h                      | HB        | class             | IEC 60695-11-10 |
| Thickness tested                                   | 0.8       | mm                | -               |
| <b>Electrical properties</b>                       |           |                   |                 |
| <b>ISO Data</b>                                    |           |                   |                 |
| Volume resistivity                                 | 10        | Ohm*m             | IEC 62631-3-1   |
| <b>Other properties</b>                            |           |                   |                 |
| Density  | 1410      | kg/m <sup>3</sup> | ISO 1183        |
| Moisture Content                                   | 0.1       | %                 | -               |
| <b>Processing Recommendation Injection Molding</b> |           |                   |                 |
| Pre-drying - Temperature                           | 110 - 120 | °C                | -               |
| Pre-drying - Time                                  | 4 - 8     | h                 | -               |
| Processing humidity                                | ≤0.02     | %                 | -               |
| Melt temperature                                   | 250 - 270 | °C                | -               |
| Mold temperature                                   | 80 - 100  | °C                | -               |
| Zone 1   | 230 - 240 | °C                | -               |
| Zone 2   | 230 - 250 | °C                | -               |
| Zone 3   | 240 - 260 | °C                | -               |
| Nozzle temperature                                 | 240 - 260 | °C                | -               |
| Back pressure                                      | 3 - 10    | MPa               | -               |

## Characteristics

### Processing

Injection Molding

### Delivery form

Pellets, Black

### Regional Availability

Europe, Near East/Africa