

**Novodur® 377**

ABS

INEOS Styrolution

| Processing/Physical Characteristics      | Value                | Unit                   | Test Standard   |
|--|----------------------|------------------------|-----------------|
| <b>ISO Data</b>                          |                      |                        |                 |
| Melt volume-flow rate, MVR               | 28                   | cm <sup>3</sup> /10min | ISO 1133        |
| Temperature                              | 220                  | °C                     | -               |
| Load                                     | 10                   | kg                     | -               |
| Molding shrinkage, normal                | 0.5                  | %                      | ISO 294-4, 2577 |
| <b>Mechanical properties</b>             |                      |                        |                 |
| <b>ISO Data</b>                          |                      |                        |                 |
| Tensile Modulus                          | 2500                 | MPa                    | ISO 527         |
| Yield stress                             | 48                   | MPa                    | ISO 527         |
| Stress at break                          | 34                   | MPa                    | ISO 527         |
| Strain at break                          | 20                   | %                      | ISO 527         |
| Flexural modulus, 23°C                   | 2400                 | MPa                    | ISO 178         |
| Flexural strength                        | 71                   | MPa                    | ISO 178         |
| Izod notched impact strength, +23°C      | 17                   | kJ/m <sup>2</sup>      | ISO 180/1A      |
| Izod notched impact strength             | 13                   | kJ/m <sup>2</sup>      | ISO 180/1A      |
| Temperature                              | -20                  | °C                     | -               |
| Rockwell hardness                        | R 112                | -                      | ISO 2039-2      |
| <b>Thermal properties</b>                |                      |                        |                 |
| <b>ISO Data</b>                          |                      |                        |                 |
| Temp. of deflection under load, 1.80 MPa | 91 <sup>[ann.]</sup> | °C                     | ISO 75-1/-2     |
| Temp. of deflection under load, 0.45 MPa | 95 <sup>[ann.]</sup> | °C                     | ISO 75-1/-2     |
| <b>ASTM Data</b>                         |                      |                        |                 |
| Vicat Temperature                        | 98                   | °C                     | ASTM D 1525     |
| ann.: annealed                           |                      |                        |                 |
| <b>Other properties</b>                  |                      |                        |                 |
| Density                                  | 1050                 | kg/m <sup>3</sup>      | ISO 1183        |
| Bulk density                             | 600                  | kg/m <sup>3</sup>      | -               |

**Characteristics****Processing**

Injection Molding

**Delivery form**

Pellets

**Features**

High Gloss

**Applications**

Electrical and Electronical

**Regional Availability**

Asia Pacific