

**EPIMIX PBT IMP NC Q1B801**

PBT

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| <b>Processing/Physical Characteristics</b>         | <b>Value</b> | <b>Unit</b>       | <b>Test Standard</b> |
|--|--------------|-------------------|----------------------|
| <b>ISO Data</b>                                    |              |                   |                      |
| Molding shrinkage, parallel                        | <b>1.8</b>   | %                 | ISO 294-4, 2577      |
| Molding shrinkage, normal                          | <b>2.0</b>   | %                 | ISO 294-4, 2577      |
| <b>Mechanical properties</b>                       |              |                   |                      |
| <b>ISO Data</b>                                    |              |                   |                      |
| Tensile Modulus                                    | <b>2200</b>  | MPa               | ISO 527              |
| Stress at break                                    | <b>65</b>    | MPa               | ISO 527              |
| Strain at break                                    | <b>20</b>    | %                 | ISO 527              |
| Flexural modulus, 23°C                             | <b>1900</b>  | MPa               | ISO 178              |
| Charpy notched impact strength, +23°C              | <b>11</b>    | kJ/m <sup>2</sup> | ISO 179/1eA          |
| Izod notched impact strength, +23°C                | <b>10</b>    | kJ/m <sup>2</sup> | ISO 180/1A           |
| <b>Thermal properties</b>                          |              |                   |                      |
| <b>ISO Data</b>                                    |              |                   |                      |
| Melting temperature, 10°C/min                      | <b>220</b>   | °C                | ISO 11357-1/-3       |
| Temp. of deflection under load, 1.80 MPa           | <b>60</b>    | °C                | ISO 75-1/-2          |
| Temp. of deflection under load, 0.45 MPa           | <b>160</b>   | °C                | ISO 75-1/-2          |
| Vicat softening temperature, B                     | <b>175</b>   | °C                | ISO 306              |
| Burning behav. at 1.5 mm nom. thickn.              | <b>HB</b>    | class             | IEC 60695-11-10      |
| Thickness tested                                   | <b>1.6</b>   | mm                | -                    |
| <b>ASTM Data</b>                                   |              |                   |                      |
| UL 94 Flame rating                                 | <b>HB</b>    | -                 | UL 94                |
| Thickness tested                                   | <b>1.6</b>   | mm                | -                    |
| <b>Other properties</b>                            |              |                   |                      |
| Density  | <b>1280</b>  | kg/m <sup>3</sup> | ISO 1183             |
| <b>Processing Recommendation Injection Molding</b> |              |                   |                      |
| Pre-drying - Temperature                           | <b>80</b>    | °C                | -                    |
| Pre-drying - Time                                  | <b>2 - 4</b> | h                 | -                    |
| Melt temperature                                   | <b>260</b>   | °C                | -                    |

**Characteristics****Processing**

Injection Molding

**Delivery form**

Natural Color

**Additives**

Lubricants

**Special Characteristics**

High impact or impact modified, Heat stabilized or stable to heat

**Applications**

General Purpose

**Regional Availability**

Europe