

# Luxus PC 20003

Polycarbonate

Luxus Limited

## Message:

Suitable for general injection mouldings requiring good visual appearance. Applications include lighting and consumer products.

| General Information                        |                                  |                   |             |
|--|----------------------------------|-------------------|-------------|
| Recycled Content                           | Yes                              |                   |             |
| Features                                   | Good appearance                  |                   |             |
| Uses                                       | Consumer goods application field |                   |             |
|  | Lighting device                  |                   |             |
| Appearance                                 | Black                            |                   |             |
| Processing Method                          | Injection molding                |                   |             |
| Physical                                   | Nominal Value                    | Unit              | Test Method |
| Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)   | 10 - 35                          | g/10 min          | ISO 1133    |
| Mechanical                                 | Nominal Value                    | Unit              | Test Method |
| Tensile Stress (Break)                     | 49.0                             | MPa               | ISO 527-2   |
| Tensile Strain (Break)                     | 6.0                              | %                 | ISO 527-2   |
| Impact                                     | Nominal Value                    | Unit              | Test Method |
| Notched Izod Impact (23°C)                 | 16                               | kJ/m <sup>2</sup> | ISO 180     |
| Multi-Axial Instrumented Impact Peak Force | 2000                             | N                 | ISO 527     |
| Drop Impact Resistance                     | 15.0                             | J/cm              |             |
| Injection                                  | Nominal Value                    | Unit              |             |
| Drying Temperature                         | 120                              | °C                |             |
| Drying Time                                | 4.0                              | hr                |             |
| Rear Temperature                           | 260 - 280                        | °C                |             |
| Middle Temperature                         | 270 - 290                        | °C                |             |
| Front Temperature                          | 270 - 290                        | °C                |             |
| Nozzle Temperature                         | 270 - 290                        | °C                |             |
| Mold Temperature                           | 80.0 - 120                       | °C                |             |
| Injection instructions                     |                                  |                   |             |
| Barrel residence time: 30 sec to 2 min     |                                  |                   |             |

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