

# Star T 14009

Polypropylene

Eurostar Engineering Plastics

## Message:

Star T 14009 is a PP Injection Molding Resin with Improved Thermal Conductivity

| General Information               |                   |                   |                 |
|-----------------------------------|-------------------|-------------------|-----------------|
| Features                          | Heat conduction   |                   |                 |
| Processing Method                 | Injection molding |                   |                 |
| Physical                          | Nominal Value     | Unit              | Test Method     |
| Density                           | 1.51              | g/cm <sup>3</sup> | ISO 1183        |
| Melt Mass-Flow Rate (MFR)         |                   |                   | ISO 1133        |
| 230°C/2.16 kg                     | 4.0               | g/10 min          | ISO 1133        |
| 230°C/5.0 kg                      | 27                | g/10 min          | ISO 1133        |
| Impact                            | Nominal Value     | Unit              | Test Method     |
| Notched Izod Impact (23°C)        | 3.0               | kJ/m <sup>2</sup> | ISO 180/1A      |
| Thermal                           | Nominal Value     | Unit              | Test Method     |
| Thermal Conductivity <sup>1</sup> | 1.1               | W/m/K             | Internal method |
| Injection                         | Nominal Value     | Unit              |                 |
| Drying Temperature                | 70                | °C                |                 |
| Drying Time                       | 3.0               | hr                |                 |
| Rear Temperature                  | 200 - 250         | °C                |                 |
| Middle Temperature                | 215 - 265         | °C                |                 |
| Front Temperature                 | 225 - 275         | °C                |                 |
| Processing (Melt) Temp            | 225 - 285         | °C                |                 |
| Mold Temperature                  | 40 - 60           | °C                |                 |
| NOTE                              |                   |                   |                 |
| 1.                                | Across Flow       |                   |                 |

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