

# 4PROP® 9C13100

Polypropylene Copolymer  
4Plas

Message:

4PROP 9C13100 is a MFI 10 FR-V0 Copolymer Polypropylene

| General Information                               |                   |                   |                |
|---------------------------------------------------|-------------------|-------------------|----------------|
| Features                                          | Copolymer         |                   |                |
| Processing Method                                 | Injection molding |                   |                |
| Physical                                          | Nominal Value     | Unit              | Test Method    |
| Density                                           | 1.05              | g/cm <sup>3</sup> | ISO 1183       |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)         | 10                | g/10 min          | ISO 1133       |
| Mechanical                                        | Nominal Value     | Unit              | Test Method    |
| Tensile Modulus (23°C)                            | 1750              | MPa               | ISO 527-2/5    |
| Tensile Stress (Break, 23°C)                      | 100               | MPa               | ISO 527-2/5    |
| Impact                                            | Nominal Value     | Unit              | Test Method    |
| Notched Izod Impact                               |                   |                   | ISO 180/1A     |
| -30°C                                             | 4.0               | kJ/m <sup>2</sup> | ISO 180/1A     |
| 23°C                                              | 10                | kJ/m <sup>2</sup> | ISO 180/1A     |
| Thermal                                           | Nominal Value     | Unit              | Test Method    |
| Heat Deflection Temperature (1.8 MPa, Unannealed) | 60.0              | °C                | ISO 75-2/A     |
| Melting Temperature <sup>1</sup>                  | 165               | °C                | ISO 11357      |
| Electrical                                        | Nominal Value     | Unit              | Test Method    |
| Surface Resistivity                               | 1.0E+15           | ohms              | IEC 60093      |
| Volume Resistivity                                | 1.0E+15           | ohms · cm         | IEC 60093      |
| Comparative Tracking Index                        | 600               | V                 | IEC 60112      |
| Flammability                                      | Nominal Value     | Unit              | Test Method    |
| Flame Rating                                      |                   |                   | UL 94          |
| 0.750 mm                                          | V-2               |                   | UL 94          |
| 1.60 mm                                           | V-0               |                   | UL 94          |
| Glow Wire Flammability Index (1.00 mm)            | 960               | °C                | IEC 60695-2-12 |
| Glow Wire Ignition Temperature (2.00 mm)          | 875               | °C                | IEC 60695-2-13 |
| Injection                                         | Nominal Value     | Unit              |                |
| Processing (Melt) Temp                            | 200 - 240         | °C                |                |
| Mold Temperature                                  | 20.0 - 50.0       | °C                |                |
| Injection Rate                                    | Moderate-Fast     |                   |                |
| Holding Pressure                                  | 40.0 - 80.0       | MPa               |                |
| Screw Speed                                       | 400               | rpm               |                |
| Injection instructions                            |                   |                   |                |

Feed Throat Temperature: 20 - 60 °C Back Pressure: Low

#### NOTE

1. 10 K/min

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