# Salflex 820I

### Polypropylene

Salflex Polymers Ltd.

#### Message:

Salflex 820I is a Polypropylene product filled with 20% glass fiber. It can be processed by injection molding and is available in North America. Applications of Salflex 820I include automotive and industrial applications.

Characteristics include:

High Flow

High Stiffness

| General Information                                     |                                  |          |             |  |
|---|----------------------------------|----------|-------------|--|
| Filler / Reinforcement                                  | Glass Fiber,20% Filler by Weight |          |             |  |
| Features  | High Flow                        |          |             |  |
|   | High Stiffness                   |          |             |  |
|   |                                  |          |             |  |
| Uses  | Automotive Applications          |          |             |  |
|   | Automotive Interior Trim         |          |             |  |
|   | Industrial Applications          |          |             |  |
| Forms   | Pellets                          |          |             |  |
| Processing Method                                       | Injection Molding                |          |             |  |
| Physical  | Nominal Value                    | Unit     | Test Method |  |
| Specific Gravity  | 1.03                             | g/cm³    | ASTM D792   |  |
| Melt Mass-Flow Rate (MFR) (230°C/2.16                   |                                  |          |             |  |
| kg)   | 11                               | g/10 min | ASTM D1238  |  |
| Molding Shrinkage - Flow                                | 0.30 to 0.50                     | %        | ASTM D955   |  |
| Ash Content   | 20                               | %        | ASTM D2584  |  |
| Mechanical  | Nominal Value                    | Unit     | Test Method |  |
| Tensile Strength (Yield)                                | 84.0                             | MPa      | ASTM D638   |  |
| Tensile Elongation (Break)                              | 3.0                              | %        | ASTM D638   |  |
| Flexural Modulus  | 4050                             | MPa      | ASTM D790   |  |
| Impact  | Nominal Value                    | Unit     | Test Method |  |
| Notched Izod Impact (23°C)                              | 72                               | J/m      | ASTM D256   |  |
| Thermal   | Nominal Value                    | Unit     | Test Method |  |
| Deflection Temperature Under Load (1.8 MPa, Unannealed) | 152                              | °C       | ASTM D648   |  |
| Injection   | Nominal Value                    | Unit     |             |  |
| Drying Temperature                                      | 80.0 to 100                      | °C       |             |  |
| Drying Time   | 2.0 to 4.0                       | hr       |             |  |
| Rear Temperature  | 190 to 220                       | °C       |             |  |
| Middle Temperature                                      | 195 to 225                       | °C       |             |  |
| Front Temperature                                       | 195 to 225                       | °C       |             |  |
| From Temperature  | 193 (0 223                       |          |             |  |

| Nozzle Temperature     | 200 to 230   | °C |  |
|------------------------|--------------|----|--|
| Processing (Melt) Temp | 195 to 215   | °C |  |
| Mold Temperature       | 24.0 to 60.0 | °C |  |

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