Pro-fax SG702 high impact polypropylene copolymer is available in pellet form. This resin is typically used in injection molding applications and offers very good cold temperature impact resistance.

An ASTM and ISO-based versions of the technical datasheet are available for Pro-fax SG702.

For regulatory compliance information see Pro-fax SG702 Product Stewardship Bulletin (PSB).

### General Information

**Product Description**

Pro-fax SG702 high impact polypropylene copolymer is available in pellet form. This resin is typically used in injection molding applications and offers very good cold temperature impact resistance.

An ASTM and ISO-based versions of the technical datasheet are available for Pro-fax SG702.

For regulatory compliance information see Pro-fax SG702 Product Stewardship Bulletin (PSB).

### General

- **Material Status**: Commercial: Active
- **Availability**: North America
- **Features**: Impact Copolymer, Low Temperature Impact Resistance
- **Uses**: Automotive Interior Parts, Sporting Goods, Toys

### Automotive Specifications

- CHRYSLER MS-DB-500 CPN2073 Color: 100% Color Match
- CHRYSLER MS-DB-500 CPN3047 Color: Natural
- FORD ESB-M4D500-A
- FORD WSK-M4D604-A
- FORD WSS-M4D638-C
- FORD WSS-M4D638-D2
- GM GMW16008-T1
- GM GMW16208P-PP-T5

### Forms

- Pellets

### Processing Method

- Injection Molding

### ASTM & ISO Properties

1. **Physical**

   - **Specific Gravity**: 0.900
   - **Density (73°F)**: 0.900 g/cm³
   - **Melt Mass-Flow Rate (MFR)**: 18 g/10 min

2. **Mechanical**

   - **Tensile Stress** (Yield, 73°F): 2760 psi
   - **Tensile Elongation** (Yield): 6.0 %
   - **Flexural Modulus** (Yield, 73°F): 150000 psi
   - **Flexural Modulus** - 1% Secant: 130000 psi

3. **Impact**

   - **Charpy Notched Impact Strength**
     - -40°F: 1.4 ft·lb/in²
     - 73°F: 7.6 ft·lb/in²
   - **Notched Izod Impact (73°F)**: No Break
   - **Notched Izod Impact Strength**
     - -40°F: 2.4 ft·lb/in²
     - 73°F: 20 ft·lb/in²

4. **Thermal**

   - **Deflection Temperature Under Load (66 psi, Unannealed)**: 180 °F
   - **Heat Deflection Temperature (66 psi, Unannealed)**: 156 °F
   - **Heat Deflection Temperature (264 psi, Unannealed)**: 120 °F

### Notes

1. Typical properties: these are not to be construed as specifications.
The information presented on this datasheet was acquired by UL IDES from the producer of the material. UL IDES makes substantial efforts to assure the accuracy of this data. However, UL IDES assumes no responsibility for the data values and strongly encourages that upon final material selection, data points are validated with the material supplier.