# *Pro-fax* 8623

**Polypropylene, Impact Copolymer**

## Product Description

*Pro-fax* 8623 very high impact polypropylene copolymer is available in pellet form. This resin is typically used in extrusion and injection molding applications and offers excellent cold temperature impact resistance.

An ASTM and ISO-based versions of the technical datasheet are available for *Pro-fax* 8623

For regulatory compliance information see *Pro-fax* 8623 Product Stewardship Bulletin (PSB).

## Product Characteristics

| | |
|---|---|
| **Status** | Commercial: Active |
| **Test Method used** | ISO ASTM |
| **Availability** | North America |
| **Processing Methods** | Extrusion Thermoforming, Injection Molding |
| **Features** | Low Temperature Impact Resistance, Good Stiffness |
| **Typical Customer Applications** | Automotive Parts, Opaque Containers |

| Typical Properties | Method | Value | Unit |
|---|---|---|---|
| **Physical** | | | |
| Melt Flow Rate (230°C/2.16kg) | ASTM D 1238 | 1.5 | g/10 min |
| Density (23°C) | ISO 1183 | 0.90 | g/cm³ |
| *Note*: Method A | | | |
| **Mechanical** | | | |
| Tensile Stress at Yield (23 °C) | ISO 527-1, -2 | 22 | MPa |
| Tensile Strain at Yield (23 °C) | ISO 527-1, -2 | 10 | % |
| Flexural modulus (23 °C) | ISO 178 | 1020 | MPa |
| **Impact** | | | |
| Charpy notched impact strength | ISO 179 | | |
| (23 °C) | | 82 | kJ/m² |
| (-40 °C) | | 3.3 | kJ/m² |
| Notched izod impact strength (23 °C) | ISO 180 | 65 | kJ/m² |
| **Thermal** | | | |
| Heat deflection temperature B (0.45 MPa) Unannealed | ISO 75B-1, -2 | 68 | °C |
| Heat deflection temperature A (1.80 MPa) Unannealed | ISO 75A-1, -2 | 46 | °C |

## Additional Properties

AUTOMOTIVE SPECIFICATIONS:
Chrysler MS-DB500 CPN 4002
Ford ESA-M4D472-A
Ford ESB-M4D308-A

## Notes

Typical properties; not to be construed as specifications.