



## Pro-fax 6323

### Polypropylene, Homopolymer

#### Product Description

*Pro-fax 6323* general purpose polypropylene homopolymer is available in pellet form. This resin is typically used in injection molding applications.

An ASTM and ISO-based versions of the technical datasheet are available for *Pro-fax 6323*.

For regulatory compliance information see *Pro-fax 6323* Product Stewardship Bulletin (PSB).

#### Product Characteristics

|                                      |   |
|--------------------------------------|---|
| <b>Status</b>                        | Commercial: Active  |
| <b>Test Method used</b>              | ISO ASTM  |
| <b>Availability</b>                  | North America   |
| <b>Processing Methods</b>            | Injection Molding   |
| <b>Features</b>                      | High ESCR (Environmental Stress Cracking Resistance), Good Heat Aging Resistance , Good Stiffness |
| <b>Typical Customer Applications</b> | Automotive Parts, Caps & Closures, Containers, Sports, Leisure and Toys                           |

| Typical Properties                                  | Method        | Value | Unit              |
|---|---------------|-------|-------------------|
| <b>Physical</b>                                     |               |       |                   |
| Melt Flow Rate (230°C/2.16kg)                       | ASTM D 1238   | 12    | g/10 min          |
| Density (23°C)                                      | ISO 1183      | 0.90  | g/cm <sup>3</sup> |
| <i>Note: Method A</i>                               |               |       |                   |
| <b>Mechanical</b>                                   |               |       |                   |
| Tensile Stress at Yield (23 °C)                     | ISO 527-1, -2 | 31    | MPa               |
| Tensile Strain at Yield (23 °C)                     | ISO 527-1, -2 | 11    | %                 |
| Flexural modulus (23 °C)                            | ISO 178       | 1290  | MPa               |
| <b>Impact</b>                                       |               |       |                   |
| Charpy notched impact strength (23 °C)              | ISO 179       | 4.2   | kJ/m <sup>2</sup> |
| Notched izod impact strength (23 °C)                | ISO 180       | 4.1   | kJ/m <sup>2</sup> |
| <b>Thermal</b>                                      |               |       |                   |
| Heat deflection temperature B (0.45 MPa) Unannealed | ISO 75B-1, -2 | 76    | °C                |
| Heat deflection temperature A (1.80 MPa) Unannealed | ISO 75A-1, -2 | 49    | °C                |

#### Additional Properties

AUTOMOTIVE SPECIFICATIONS:  
Chrysler MS-DB500 CPN 2571

#### Notes

Typical properties; not to be construed as specifications.