

## Technical Data Sheet

### *Pro-fax* SR257M



Polypropylene, Random Copolymer

#### Product Description

*Pro-fax* SR257M clarified polypropylene random copolymer is available in pellet form. This resin is typically used in blow molding and extrusion applications and offers excellent see-through and contact clarity.

#### Regulatory Status

For regulatory compliance information, see *Pro-fax* SR257M [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

|                          |                                                                                   |
|--------------------------|-----------------------------------------------------------------------------------|
| <b>Status</b>            | Commercial: Active                                                                |
| <b>Availability</b>      | North America                                                                     |
| <b>Application</b>       | Bottles For Consumer Goods; Clear Containers; Food Packaging Film; Specialty Film |
| <b>Market</b>            | Flexible Packaging; Rigid Packaging                                               |
| <b>Processing Method</b> | Blown Film; Extrusion Blow Molding; Injection Blow Molding; Sheet; Thermoforming  |
| <b>Attribute</b>         | Contains Antistat; High Clarity; Random Copolymer                                 |

| Typical Properties                    | Nominal Value | English Units     | Nominal Value | SI Units          | Test Method |
|---------------------------------------|---------------|-------------------|---------------|-------------------|-------------|
| <b>Physical</b>                       |               |                   |               |                   |             |
| Melt Flow Rate, (230 °C/2.16 kg)      | 2.0           | g/10 min          | 2.0           | g/10 min          | ASTM D1238  |
| Density, (23 °C)                      | 0.90          | g/cm <sup>3</sup> | 0.90          | g/cm <sup>3</sup> | ASTM D792   |
| <b>Mechanical</b>                     |               |                   |               |                   |             |
| Flexural Modulus                      |               |                   |               |                   |             |
| (0.05 in/min, 1% Secant, Procedure A) | 140000        | psi               |               |                   | ASTM D790   |
| (1.3 mm/min, 1% Secant, Procedure A)  |               |                   | 965           | MPa               | ASTM D790   |
| Tensile Strength at Yield             |               |                   |               |                   |             |
| (2 in/min)                            | 4300          | psi               |               |                   | ASTM D638   |
| (50 mm/min)                           |               |                   | 30            | MPa               | ASTM D638   |
| Tensile Elongation at Yield           | 14            | %                 | 14            | %                 | ASTM D638   |
| <b>Impact</b>                         |               |                   |               |                   |             |
| Notched Izod Impact Strength          |               |                   |               |                   |             |
| (73 °F, Method A)                     | 7.0           | ft-lb/in          |               |                   | ASTM D256   |
| (23 °C, Method A)                     |               |                   | 370           | J/m               | ASTM D256   |
| <b>Thermal</b>                        |               |                   |               |                   |             |
| Deflection Temperature Under Load     |               |                   |               |                   |             |
| (66 psi, Unannealed)                  | 165           | °F                |               |                   | ASTM D648   |
| (0.45 MPa, Unannealed)                |               |                   | 74            | °C                | ASTM D648   |
| <b>Optical</b>                        |               |                   |               |                   |             |
| Haze, (45 mil)                        | 9             | %                 | 9             | %                 | ASTM D1003  |

#### Notes

These are typical property values not to be construed as specification limits.