



## Pro-fax RP323M

### Polypropylene, Random Copolymer

#### Product Description

Pro-fax RP323M barefoot polypropylene random copolymer is available in pellet form. This resin is typically used in cast film packaging applications. Typical properties of cast film made with this resin are excellent clarity and gloss, as well as improved cold temperature impact resistance and broader heat seal range compared to homopolymer polypropylene.

For regulatory compliance information see Pro-fax RP323M Product Stewardship Bulletin (PSB).

#### Product Characteristics

|                                      |                                               |
|--------------------------------------|-----------------------------------------------|
| <b>Status</b>                        | Commercial: Active                            |
| <b>Test Method used</b>              | ASTM                                          |
| <b>Availability</b>                  | North America                                 |
| <b>Features</b>                      | Good Heat Seal, Opticals, Good Processability |
| <b>Typical Customer Applications</b> | Bags & Pouches, Cast Film                     |

| Typical Properties                                                                              | Method      | Value         | Unit            |
|-------------------------------------------------------------------------------------------------|-------------|---------------|-----------------|
| <b>Physical</b>                                                                                 |             |               |                 |
| Density -Specific Gravity<br><i>Note: 23/23°C, Method B</i>                                     | ASTM D 792  | 0.90          |                 |
| Melt Flow Rate (230°C/2.16kg)                                                                   | ASTM D 1238 | 8.0           | g/10 min        |
| <b>Mechanical</b>                                                                               |             |               |                 |
| Flexural Modulus<br>(0.05 in/min, 1% Secant, Procedure A)<br>(1 mm/min, 1% Secant, Procedure A) | ASTM D 790  | 120000<br>830 | psi<br>MPa      |
| Tensile Strength @ Yield<br>(2 in/min)<br>(50 mm/min)                                           | ASTM D 638  | 3600<br>24.8  | psi<br>MPa      |
| Tensile Elongation @ Yield                                                                      | ASTM D 638  | 14            | %               |
| <b>Impact</b>                                                                                   |             |               |                 |
| Notched Izod Impact<br>(73 °F, Method A)<br>(23 °C, Method A)                                   | ASTM D 256  | 1.2<br>64     | ft-lb/in<br>J/m |
| <b>Thermal</b>                                                                                  |             |               |                 |
| Deformation Temperature Under Load<br>(66 psi)<br>(0.45 MPa)<br><i>Note: Unannealed</i>         | ASTM D 648  | 167<br>75     | °F<br>°C        |

#### Notes

Typical properties; not to be construed as specifications.

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- Equistar Chemicals, LP
- Basell Sales & Marketing Company B.V.
- Basell Asia Pacific Limited
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Users should review the applicable Material Safety Data Sheet before handling the product.

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