



## Pro-fax RP311H

### Polypropylene, Random Copolymer

#### Product Description

Pro-fax RP311H low flow random copolymer polypropylene is available in pellet form. This resin is typically used in blow molding and thermoforming applications.

For regulatory compliance information see Pro-fax RP311H Product Stewardship Bulletin (PSB).

#### Product Characteristics

|                                      |                                                                         |
|--------------------------------------|-------------------------------------------------------------------------|
| <b>Status</b>                        | Commercial: Active                                                      |
| <b>Test Method used</b>              | ASTM                                                                    |
| <b>Availability</b>                  | North America                                                           |
| <b>Processing Methods</b>            | Extrusion Blow Molding, Extrusion Thermoforming, Injection Blow Molding |
| <b>Features</b>                      | Antistatic, Clarity, Contact, Random Copolymer                          |
| <b>Typical Customer Applications</b> | Blow Moulding Applications, Consumer Packaging, Containers              |

| 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 | 2.0            | 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  | 150000<br>1035 | psi<br>MPa      |
| Tensile Strength @ Yield<br>(2 in/min)<br>(50 mm/min)                                           | ASTM D 638  | 4050<br>27.9   | psi<br>MPa      |
| Tensile Elongation @ Yield                                                                      | ASTM D 638  | 13             | %               |
| <b>Impact</b>                                                                                   |             |                |                 |
| Notched Izod Impact<br>(73 °F, Method A)<br>(23 °C, Method A)                                   | ASTM D 256  | 4<br>215       | ft-lb/in<br>J/m |
| <b>Thermal</b>                                                                                  |             |                |                 |
| DTUL @66psi - Unannealed                                                                        | ASTM D 648  | 80             | °C              |

#### Additional Properties

Haze, ASTM D 1003, 25%

#### 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
- Basell International Trading FZE
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Users should review the applicable Material Safety Data Sheet before handling the product.

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