



## Pro-fax 6301

### Polypropylene, Homopolymer

#### Product Description

*Pro-fax* 6301 polypropylene homopolymer is available in spherical particle form. This resin is typically used for mixing with pigments and other additives to make polymer concentrates or masterbatches.

*Pro-fax* 6301 has very minimal stabilization, which allows wide design latitude for compounders. Additional stabilization is required to protect the resin during melt processing and throughout its useful life.

For regulatory compliance information see *Pro-fax* 6301 Product Stewardship Bulletin (PSB).

Please note that any additives compounded into this resin will require a re-assessment of its FDA status.

#### Product Characteristics

|                               |                                 |
|-------------------------------|---------------------------------|
| Status                        | Commercial: Active              |
| Test Method used              | ASTM                            |
| Availability                  | North America                   |
| Processing Methods            | Extrusion Compounding           |
| Features                      | General Purpose, Good Stiffness |
| Typical Customer Applications | Colour Concentrates             |

| 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 | 12             | g/10 min        |
| <b>Mechanical</b>   |             |                |                 |
| Flexural Modulus<br>(0.05 in/min, 1% Secant, Procedure A)<br>(1.3 mm/min, 1% Secant, Procedure A) | ASTM D 790  | 210000<br>1450 | psi<br>MPa      |
| Tensile Strength @ Yield<br>(2 in/min)<br>(50 mm/min)   | ASTM D 638  | 4900<br>34     | psi<br>MPa      |
| Tensile Elongation @ Yield  | ASTM D 638  | 10             | %               |
| <b>Impact</b>   |             |                |                 |
| Notched Izod Impact<br>(73 °F, Method A)<br>(23 °C, Method A)                                     | ASTM D 256  | 0.6<br>32      | 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  | 200<br>93      | °F<br>°C        |

#### Notes

Typical properties; not to be construed as specifications.