



## 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

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

Typical Properties	Method	Value	Unit
<b>Physical</b>			
Density -Specific Gravity	ASTM D 792	0.90	
<i>Note: 23/23°C Method B</i>			
Melt Flow Rate (230°C/2.16kg)	ASTM D 1238	12	g/10 min
<b>Mechanical</b>			
Flexural Modulus	ASTM D 790		
(0.05 in/min, 1% Secant, Procedure A)		210000	psi
(1.3 mm/min, 1% Secant, Procedure A)		1450	MPa
Tensile Strength @ Yield	ASTM D 638		
(2 in/min)		4900	psi
(50 mm/min)		34	MPa
Tensile Elongation @ Yield	ASTM D 638	10	%
<b>Impact</b>			
Notched Izod Impact	ASTM D 256		
(73 °F, Method A)		0.6	ft-lb/in
(23 °C, Method A)		32	J/m
<b>Thermal</b>			
Deformation Temperature Under Load	ASTM D 648		
(66 psi)		200	°F
(0.45 MPa)		93	°C
<i>Note: Unannealed</i>			

#### Notes

Typical properties; not to be construed as specifications.