

## Technical Data Sheet

### Pro-fax PH350

Polypropylene, Homopolymer

#### Product Description

Pro-fax PH350 general-purpose polypropylene homopolymer is available in spherical particle form. This resin has very minimal stabilization, which allows wide design latitude in compounding applications. Additional stabilization is required to protect the resin during melt processing and throughout its useful life.

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

<b>Application</b>	Colour Concentrates; Polymer Modifier; Wood Composites		
<b>Market</b>	Compounding		
<b>Processing Method</b>	Compounding		
<b>Attribute</b>	Dispersible; Good Stiffness; High Filler Loading Capability		

<b>Typical Properties</b>	<b>Nominal Value</b>	<b>English Units</b>	<b>Nominal Value</b>	<b>SI Units</b>	<b>Test Method</b>
<b>Physical</b>					
Melt Flow Rate, (230 °C/2.16 kg)	3.5	g/10 min	3.5	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)	200000	psi			ASTM D790
(1.3 mm/min, 1% Secant, Procedure A)			1380	MPa	ASTM D790
Tensile Strength at Yield					
(2 in/min)	4800	psi			ASTM D638
(50 mm/min)			33	MPa	ASTM D638
Tensile Elongation at Yield	12	%	12	%	ASTM D638
<b>Impact</b>					
Notched Izod Impact Strength					
(73 °F, Method A)	1.0	ft-lb/in			ASTM D256
(23 °C, Method A)			53	J/m	ASTM D256
<b>Thermal</b>					
Deflection Temperature Under Load					
(66 psi, Unannealed)	190	°F			ASTM D648
(0.45 MPa, Unannealed)			88	°C	ASTM D648