

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.

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

Typical Properties	Nominal Value	English Units	Nominal Value	SI Units	Test Method
Physical					
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 ³	0.90	g/cm ³	ASTM D792
Mechanical					
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
Impact					
Notched Izod Impact Strength					
(73 °F, Method A)	1.0	ft-lb/in			ASTM D256
(23 °C, Method A)			53	J/m	ASTM D256
Thermal					
Deflection Temperature Under Load					
(66 psi, Unannealed)	190	°F			ASTM D648
(0.45 MPa, Unannealed)			88	°C	ASTM D648