



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

Notes

Typical properties; not to be construed as specifications.

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LyondellBasell markets this product through the following entities:

- Equistar Chemicals, LP
- Basell Sales & Marketing Company B.V.
- Basell Asia Pacific Limited
- Basell International Trading FZE
- LyondellBasell Australia Pty Ltd

For the contact details of the LyondellBasell company selling this product in your country, please visit <http://www.lyb.com/>.

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This product(s) may not be used in:

(i) any U.S. FDA Class I, Health Canada Class I, and/or European Union Class I Medical Devices, without prior notification to Seller for each specific product and application; or

(ii) the manufacture of any of the following, without prior written approval by Seller for each specific product and application: (1) U.S. FDA Class II, Health Canada Class II or Class III, and/or European Union Class II Medical Devices; (2) film, overwrap and/or product packaging that is considered a part or component of one of the aforementioned Medical Devices; (3) packaging in direct contact with a pharmaceutical active ingredient and/or dosage form that is intended for inhalation, injection, intravenous, nasal, ophthalmic (eye), digestive, or topical (skin) administration; (4) tobacco related products and applications; (5) electronic cigarettes and similar devices; and (6) pressure pipe or fittings that are considered a part or component of a nuclear reactor.

(iii) Additionally, the product(s) may not be used in: (1) U.S. FDA Class III, Health Canada Class IV, and/or European Class III Medical Devices; (2) applications involving permanent implantation into the body; (3) life-sustaining medical applications; and (4) lead, asbestos or MTBE related applications.

All references to U.S. FDA, Health Canada, and European Union regulations include another country's equivalent regulatory classification.

Users should review the applicable Material Safety Data Sheet before handling the product.

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