



## Pro-fax KF6100

### Polypropylene, Homopolymer

#### Product Description

KF6100 is a polypropylene homopolymer. With its broad molecular weight distribution and standard additive package, it is quite suitable for film extrusion on Stenter and Double Bubble lines. Potential end use applications include monolayer and coextruded BOPP film, foodstuff packaging, flower wrapping, paper lamination and even textiles.

#### Product Characteristics

|                                      |                                   |
|--------------------------------------|-----------------------------------|
| <b>Status</b>                        | Commercial: Active                |
| <b>Test Method used</b>              | ISO                               |
| <b>Availability</b>                  | Africa-Middle East, Latin America |
| <b>Processing Method</b>             | Double Bubble                     |
| <b>Features</b>                      | Homopolymer                       |
| <b>Typical Customer Applications</b> | Raffia/Tapes/Strapping, BOPP      |

| Typical Properties                                  | Method        | Value Unit              |
|-----------------------------------------------------|---------------|-------------------------|
| <b>Physical</b>                                     |               |                         |
| Density                                             | ISO 1183      | 0.905 g/cm <sup>3</sup> |
| Melt flow rate (MFR) (230°C/2.16Kg)                 | ISO 1133      | 3 g/10 min              |
| <b>Mechanical</b>                                   |               |                         |
| Tensile Stress at Yield                             | ISO 527-1, -2 | 35 MPa                  |
| Flexural modulus                                    | ISO 178       | 1350 MPa                |
| <b>Impact</b>                                       |               |                         |
| Notched izod impact strength (20 °C)                | ISO 180       | 4 kJ/m <sup>2</sup>     |
| <b>Hardness</b>                                     |               |                         |
| Shore hardness (Shore Units)                        | ISO 868       | 70                      |
| <b>Thermal</b>                                      |               |                         |
| Heat deflection temperature B (0.45 MPa) Unannealed | ISO 75B-1, -2 | 88.0 °C                 |
| Heat deflection temperature A (1.80 MPa) Unannealed | ISO 75A-1, -2 | 55 °C                   |
| Vicat softening temperature                         | ISO 306       | 151 °C                  |

#### Notes

Typical properties; not to be construed as specifications.

#### Additional Properties

KF6100 is designed to comply with European and USA (FDA) food contact regulations. For further details regarding appropriate end use applications, please contact your local Basell representative.

Copyright 2009 Basell Service Company B.V. All rights reserved.

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

Before using a LyondellBasell product, customers and other users should make their own independent determination that the product is suitable for the intended use. They should also ensure that they can use the LyondellBasell product safely and legally. This document does not constitute a warranty, express or implied, including a warranty of merchantability or fitness for a particular purpose. In addition, no immunity under LyondellBasell's or third parties' intellectual property rights shall be implied from this document. No one is authorized to make any warranties, issue any immunities or assume any liabilities on behalf of LyondellBasell except in a writing signed by an authorized LyondellBasell employee. Unless otherwise agreed in writing, the exclusive remedy for all claims is replacement of the product or refund of the purchase price at LyondellBasell's option, and in no event shall LyondellBasell be liable for special, consequential, incidental, punitive or exemplary damages.

CRP, Adflex, Adstif, Adsyl, Akoalit, Akoalfloor, Avant, Catalloy, Clyrell, Dexflex, Entegritiy, Get in touch with, Hifax, Higran, Histif, Hostacom, Hostalen, Indure, Koattro, LIPP, Lucalen, Luflexen, Lupocomp, Lupolen, Lupolex, Luposim, Lupostress, Lupotech, Metocene, Moplen, Pristene, Purell, Pro-fax, Sequel, Sholybox, Softell, Spherilene, Spheripol, Spherizone, Stretchene, Toppyl and Valtec are trademarks owned or used by LyondellBasell group companies.

Adflex, Adstif, Adsyl, Akoalit, Akoalfloor, Avant, Clyrell, CRP, Dexflex, Hifax, Hostacom, Hostalen, Indure, Koattro, Lucalen, Moplen, Purell, Pro-fax, Sequel, Softell, Spheripol, Spherizone and Toppyl are registered in the U.S. Patent and Trademark Office.

Unless specifically indicated, the grades mentioned are not suitable for applications in the pharmaceutical/medical sector.

Release Date: 02 Jan 2004