

## Technical Data Sheet

### *Polyfort* POLYPROPYLENE PP 1498-01



Polypropylene, Impact Copolymer

#### Product Description

PP 1498-01 is a high flow medium impact copolymer polypropylene. It molds easily at low temperatures, pressures and mold cycle times. It meets the requirements of Ford Specification ESB-M4D500AB and is available in Ford Motor Company interior trim colors.

#### Regulatory Status

For regulatory compliance information, see POLYPROPYLENE PP 1498-01 NATURAL [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

|                          |                                                                            |
|--------------------------|----------------------------------------------------------------------------|
| <b>Status</b>            | Discontinued                                                               |
| <b>Availability</b>      | Asia-Pacific; North America                                                |
| <b>Processing Method</b> | Injection Molding                                                          |
| <b>Attribute</b>         | Good Processability; High Flow; Impact Copolymer; Medium Impact Resistance |
| <b>Forms</b>             | Pellets                                                                    |
| <b>Appearance</b>        | Colors Available                                                           |
| <b>Application</b>       | Automotive Applications; Automotive Interior Trim                          |

| Typical Properties                                     | Nominal Value | Units             | Test Method |
|--------------------------------------------------------|---------------|-------------------|-------------|
| <b>Physical</b>                                        |               |                   |             |
| Melt Flow Rate, (230 °C/2.16 kg)                       | 16 to 24      | g/10 min          | ASTM D1238  |
| Density - Specific Gravity                             | 0.908         | g/cm <sup>3</sup> | ASTM D792   |
| <b>Mechanical</b>                                      |               |                   |             |
| Tensile Elongation at Yield                            | 10            | %                 | ASTM D638   |
| Tensile Strength at Yield                              | 21.4          | MPa               | ASTM D638   |
| Flexural Modulus                                       | 896           | MPa               | ASTM D790   |
| <b>Impact</b>                                          |               |                   |             |
| Gardner Impact                                         | 21            | J/m               | No Standard |
| (-29 °C)                                               | 5.88          | J                 | ASTM D3029  |
| Unnotched Izod Impact                                  | No Break      |                   | ASTM D4812  |
| Notched Izod Impact                                    | 110           | J/m               | ASTM D256   |
| <b>Hardness</b>                                        |               |                   |             |
| Rockwell Hardness, (R-Scale)                           | 70            |                   | ASTM D785   |
| <b>Thermal</b>                                         |               |                   |             |
| Deflection Temperature Under Load Unannealed (264 psi) | 52.2          | °C                | ASTM D648   |
| Deflection Temperature Under Load Unannealed (66 psi)  | 83.9          | °C                | ASTM D648   |

## Notes

These are typical property values not to be construed as specification limits. The typical values for this product may have been tested on a natural grade.

## Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

## Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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