

Technical Data Sheet

**Polyfort** POLYPROPYLENE PP 3486-01



Polypropylene, Homopolymer

**Product Description**

PP 3486-01 is a special homopolymer polypropylene designed with a long term heat aging formula for appliance applications.

|                          |                                           |
|--------------------------|-------------------------------------------|
| <b>Processing Method</b> | Compounding; Extrusion; Injection Molding |
| <b>Attribute</b>         | Good Heat Aging Resistance; Homopolymer   |
| <b>Forms</b>             | Pellets                                   |
| <b>Application</b>       | Appliances                                |

| Typical Properties                                     | Nominal Value | Units             | Test Method |
|--------------------------------------------------------|---------------|-------------------|-------------|
| <b>Physical</b>                                        |               |                   |             |
| Melt Flow Rate, (230 °C/2.16 kg)                       | 5.0           | g/10 min          | ASTM D1238  |
| Density - Specific Gravity                             | 0.9           | g/cm <sup>3</sup> | ASTM D792   |
| <b>Mechanical</b>                                      |               |                   |             |
| Tensile Elongation at Yield                            | 9             | %                 | ASTM D638   |
| Tensile Strength at Yield                              | 36.5          | MPa               | ASTM D638   |
| Flexural Modulus                                       | 1450          | MPa               | ASTM D790   |
| <b>Impact</b>                                          |               |                   |             |
| Notched Izod Impact                                    | 27            | J/m               | ASTM D256   |
| <b>Hardness</b>                                        |               |                   |             |
| Rockwell Hardness, (R-Scale)                           | 90            |                   | ASTM D785   |
| <b>Thermal</b>                                         |               |                   |             |
| Deflection Temperature Under Load Unannealed (264 psi) | 55            | °C                | ASTM D648   |
| Deflection Temperature Under Load Unannealed (66 psi)  | 100           | °C                | ASTM D648   |
| Melting Temperature                                    | 160           | °C                |             |