

## Technical Data Sheet

### *Polyfort* HP0306LNATURAL



Polypropylene, Homopolymer

#### Product Description

*Polyfort* HP0306LNATURAL is a Polypropylene Homopolymer material.

Forms

Pellets

| Typical Properties                                     | Nominal Value | Units             | Test Method |
|--------------------------------------------------------|---------------|-------------------|-------------|
| <b>Physical</b>                                        |               |                   |             |
| Melt Flow Rate, (230 °C/2.16 kg)                       | 10            | g/10 min          | ASTM D1238  |
| Density - Specific Gravity                             | 0.901         | g/cm <sup>3</sup> | ASTM D792   |
| <b>Mechanical</b>                                      |               |                   |             |
| Tensile Elongation at Yield                            | 10            | %                 | ASTM D638   |
| Tensile Strength at Yield                              | 36            | MPa               | ASTM D638   |
| Tensile Strength at Break                              | 22            | MPa               | ASTM D638   |
| Flexural Modulus                                       | 1400          | MPa               | ASTM D790   |
| Tensile Elongation at Break                            | 400           | %                 | ASTM D638   |
| Tensile Modulus                                        | 1300          | MPa               | ASTM D638   |
| Flexural Strength                                      | 42            | MPa               | ASTM D790   |
| <b>Impact</b>                                          |               |                   |             |
| Notched Izod Impact, (3.18 mm)                         | 30            | J/m               | ASTM D256   |
| <b>Hardness</b>                                        |               |                   |             |
| Rockwell Hardness, (R-Scale)                           | 92            |                   | ASTM D785   |
| <b>Thermal</b>                                         |               |                   |             |
| Deflection Temperature Under Load Unannealed (264 psi) | 53            | °C                | ASTM D648   |
| Deflection Temperature Under Load Unannealed (66 psi)  | 82            | °C                | ASTM D648   |