

## Technical Data Sheet

### *Polyfort* NPP00GE07NA-NANAT



Polypropylene Copolymer

#### Product Description

*Polyfort* NPP00GE07NA-NANAT is a Polypropylene Copolymer material and is typically used in Injection Molding applications. Features include: Copolymer.

|                   |                   |
|-------------------|-------------------|
| Processing Method | Injection Molding |
| Attribute         | Copolymer         |
| Forms             | Pellets           |

| Typical Properties                                     | Nominal Value | Units             | Test Method |
|--------------------------------------------------------|---------------|-------------------|-------------|
| <b>Physical</b>                                        |               |                   |             |
| Melt Flow Rate, (230 °C/2.16 kg)                       | 1.6           | g/10 min          | ASTM D1238  |
| Density - Specific Gravity                             | 0.898         | g/cm <sup>3</sup> | ASTM D792   |
| <b>Mechanical</b>                                      |               |                   |             |
| Tensile Strength at Yield, (23 °C)                     | 22.1          | MPa               | ASTM D638   |
| Flexural Strength at Yield, (23 °C)                    | 25.5          | MPa               | ASTM D790   |
| Flexural Modulus                                       |               |                   |             |
| (23 °C, 1% Secant)                                     | 965           | MPa               | ASTM D790   |
| (23 °C, Tangent)                                       | 1030          | MPa               | ASTM D790   |
| Tensile Elongation at Break, (23 °C)                   | 300           | %                 | ASTM D638   |
| <b>Impact</b>                                          |               |                   |             |
| Gardner Impact                                         | 28.2          | J                 | ASTM D5420  |
| Notched Izod Impact, (23 °C)                           | No Break      |                   | ASTM D256   |
| <b>Thermal</b>                                         |               |                   |             |
| Deflection Temperature Under Load Unannealed (264 psi) | 48.9          | °C                | ASTM D648   |
| Deflection Temperature Under Load Unannealed (66 psi)  | 71.1          | °C                | ASTM D648   |

| Injection Parameters   | Nominal Value | Units |
|------------------------|---------------|-------|
| Drying Time            | 2.0 to 3.0    | hr    |
| Drying Temperature     | 80            | °C    |
| Processing (Melt) Temp | 220 to 260    | °C    |
| Mold Temperature       | 30 to 60      | °C    |