

## Technical Data Sheet

### Polyfort TPP20AN64NA-NANAT



Polypropylene, Unspecified (PP, Unspecified)

#### Product Description

Polyfort TPP20AN64NA-NANAT is a Polypropylene, Unspecified Talc, 20% filled material and is typically used in Injection Molding applications. Features include: Impact Modified.

|                      |                   |
|----------------------|-------------------|
| Processing Method    | Injection Molding |
| Attribute            | Impact Modified   |
| Forms                | Pellets           |
| Additive             | Impact Modifier   |
| Filler/Reinforcement | Talc, 20%         |

| Typical Properties                                     | Nominal Value | Units             | Test Method |
|--------------------------------------------------------|---------------|-------------------|-------------|
| <b>Physical</b>                                        |               |                   |             |
| Melt Flow Rate, (230 °C/2.16 kg)                       | 13            | g/10 min          | ASTM D1238  |
| Density - Specific Gravity                             | 1.07          | g/cm <sup>3</sup> | ASTM D792   |
| <b>Mechanical</b>                                      |               |                   |             |
| Tensile Strength, (23 °C)                              | 29.6          | MPa               | ASTM D638   |
| Flexural Modulus                                       |               |                   |             |
| (23 °C, 1% Secant)                                     | 2070          | MPa               | ASTM D790   |
| (23 °C, Tangent)                                       | 2590          | MPa               | ASTM D790   |
| Tensile Elongation at Break, (23 °C)                   | 22            | %                 | ASTM D638   |
| Flexural Strength, (23 °C)                             | 45.5          | MPa               | ASTM D790   |
| <b>Impact</b>                                          |               |                   |             |
| Gardner Impact, (23 °C)                                | 3.95          | J                 | ASTM D5420  |
| Unnotched Izod Impact, (23 °C)                         | 760           | J/m               | ASTM D4812  |
| Notched Izod Impact, (23 °C)                           | 53            | J/m               | ASTM D256   |
| <b>Thermal</b>                                         |               |                   |             |
| Deflection Temperature Under Load Unannealed (264 psi) | 60            | °C                | ASTM D648   |
| Deflection Temperature Under Load Unannealed (66 psi)  | 110           | °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    |