

Technical Data Sheet

## Ferro Pp TPP20AN73NA

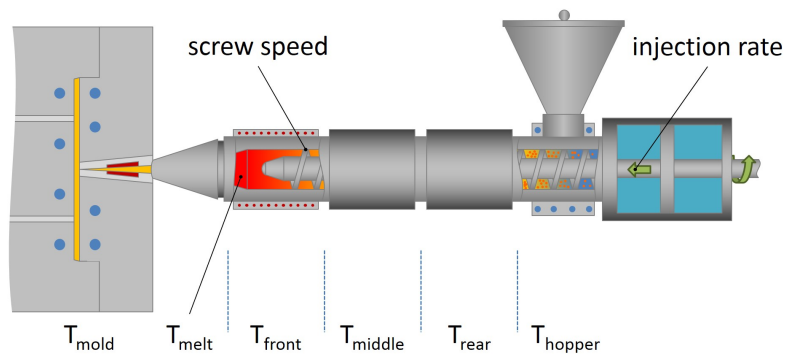
Polypropylene  
LyondellBasell Industries  
Engineering Plastics

| General                                   |                              |                        |             |
|-------------------------------------------|------------------------------|------------------------|-------------|
| Filler / Reinforcement                    | • Talc, 20% Filler by Weight |                        |             |
| Additive                                  | • Impact Modifier            |                        |             |
| Features                                  | • Impact Modified            |                        |             |
| Forms                                     | • Pellets                    |                        |             |
| Processing Method                         | • Injection Molding          |                        |             |
| Physical                                  | Nominal Value (English)      | Nominal Value (SI)     | Test Method |
| Density / Specific Gravity                | 1.05                         | 1.05 g/cm <sup>3</sup> | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg) | 4.5 g/10 min                 | 4.5 g/10 min           | ASTM D1238  |
| Mechanical                                | Nominal Value (English)      | Nominal Value (SI)     | Test Method |
| Tensile Strength (73°F (23°C))            | 4100 psi                     | 28.3 MPa               | ASTM D638   |
| Tensile Elongation (Break, 73°F (23°C))   | 30 %                         | 30 %                   | ASTM D638   |
| Flexural Modulus                          |                              |                        | ASTM D790   |
| 1% Secant : 73°F (23°C)                   | 269000 psi                   | 1850 MPa               |             |
| Tangent : 73°F (23°C)                     | 297000 psi                   | 2050 MPa               |             |
| Flexural Strength (73°F (23°C))           | 6100 psi                     | 42.1 MPa               | ASTM D790   |
| Impact                                    | Nominal Value (English)      | Nominal Value (SI)     | Test Method |
| Notched Izod Impact (73°F (23°C))         | 1.1 ft·lb/in                 | 59 J/m                 | ASTM D256   |
| Unnotched Izod Impact (73°F (23°C))       | 14 ft·lb/in                  | 750 J/m                | ASTM D4812  |
| Gardner Impact (73°F (23°C))              | 160 in·lb                    | 18.1 J                 | ASTM D5420  |
| Thermal                                   | Nominal Value (English)      | Nominal Value (SI)     | Test Method |
| Deflection Temperature Under Load         |                              |                        | ASTM D648   |
| 66 Psi (0.45 Mpa), Unannealed             | 255 °F                       | 124 °C                 |             |
| 264 Psi (1.8 Mpa), Unannealed             | 150 °F                       | 65.6 °C                |             |

Technical Data Sheet

## Ferro Pp TPP20AN73NA

Polypropylene  
LyondellBasell Industries  
Engineering Plastics



| Injection              | Nominal Value (English) | Nominal Value (SI) |
|------------------------|-------------------------|--------------------|
| Drying Temperature     | 176 °F                  | 80 °C              |
| Drying Time            | 2.0 to 3.0 hr           | 2.0 to 3.0 hr      |
| Processing (Melt) Temp | 428 to 500 °F           | 220 to 260 °C      |
| Mold Temperature       | 86 to 140 °F            | 30 to 60 °C        |

### Notes

These are typical property values not to be construed as specification limits.