

Technical Data Sheet

## Ferro Pp TPP25AP93BK

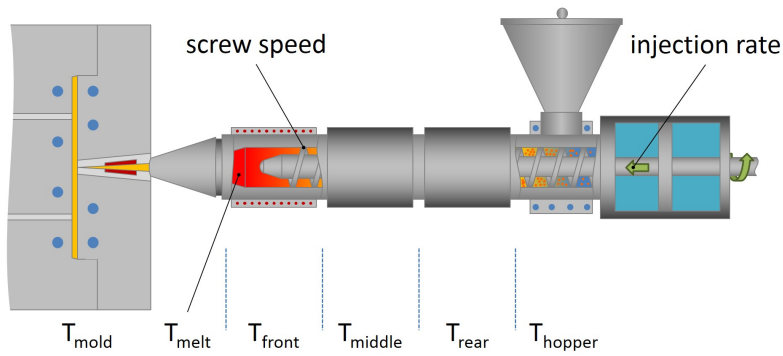
Polypropylene Copolymer  
LyondellBasell Industries  
Engineering Plastics

| General                                             |                              |                        |             |
|-----------------------------------------------------|------------------------------|------------------------|-------------|
| Filler / Reinforcement                              | • Talc, 25% Filler by Weight |                        |             |
| Additive                                            | • UV Stabilizer              |                        |             |
| Features                                            | • Copolymer                  |                        |             |
| Forms                                               | • Pellets                    |                        |             |
| Processing Method                                   | • Injection Molding          |                        |             |
| Physical                                            | Nominal Value (English)      | Nominal Value (SI)     | Test Method |
| Density / Specific Gravity                          | 1.10                         | 1.10 g/cm <sup>3</sup> | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg)           | 21 g/10 min                  | 21 g/10 min            | ASTM D1238  |
| Mechanical                                          | Nominal Value (English)      | Nominal Value (SI)     | Test Method |
| Tensile Strength <sup>1</sup> (Yield, 73°F (23°C))  | 3580 psi                     | 24.7 MPa               | ASTM D638   |
| Tensile Elongation (Break, 73°F (23°C))             | 30 %                         | 30 %                   | ASTM D638   |
| Flexural Modulus                                    |                              |                        | ASTM D790   |
| 1% Secant : 73°F (23°C)                             | 240000 psi                   | 1660 MPa               |             |
| Tangent : 73°F (23°C)                               | 278000 psi                   | 1920 MPa               |             |
| Flexural Strength <sup>2</sup> (Yield, 73°F (23°C)) | 5060 psi                     | 34.9 MPa               | ASTM D790   |
| Impact                                              | Nominal Value (English)      | Nominal Value (SI)     | Test Method |
| Notched Izod Impact (73°F (23°C))                   | 1.5 ft·lb/in                 | 78 J/m                 | ASTM D256   |
| Thermal                                             | Nominal Value (English)      | Nominal Value (SI)     | Test Method |
| Deflection Temperature Under Load                   |                              |                        | ASTM D648   |
| 66 Psi (0.45 Mpa), Unannealed                       | 226 °F                       | 108 °C                 |             |
| 264 Psi (1.8 Mpa), Unannealed                       | 135 °F                       | 57.0 °C                |             |
| Additional Information                              |                              |                        |             |
| Filler Content, ASTM D2584: 25.3%                   |                              |                        |             |

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| 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        |

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**Notes**

<sup>1</sup> 20 in/min (500 mm/min)

<sup>2</sup> 0.051 in/min (1.3 mm/min)

**Notes**

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