

Technical Data Sheet

Polyfort POLYPROPYLENE PP 1621-01



Polypropylene, Homopolymer

Product Description

PP 1621 is a low-flow homopolymer polypropylene primarily used for sheet strapping and profile extrusion applications.

Processing Method Compounding; Profile Extrusion; Sheet Extrusion

Attribute Homopolymer; Low Flow

Forms Pellets

Application Sheet

| Typical Properties | Nominal Value | Units | Test Method |
|--|---------------|-------------------|-------------|
| Physical | | | |
| Melt Flow Rate, (230 °C/2.16 kg) | 0.50 | g/10 min | ASTM D1238 |
| Density | 0.9 | g/cm ³ | ASTM D1505 |
| Mechanical | | | |
| Tensile Elongation at Yield, (51 mm/min) | 12 | % | ASTM D638 |
| Tensile Strength at Yield, (50 mm/min) | 33.0 | MPa | ASTM D638 |
| Flexural Modulus, (1.3 mm/min, 1% Secant) | 1380 | MPa | ASTM D790 |
| Impact | | | |
| Notched Izod Impact, (23 °C) | 33 to 60 | J/m | ASTM D256 |
| Thermal | | | |
| Deflection Temperature Under Load Unannealed (0.45 MPa), (455 KPA) | 110 | °C | ASTM D648 |