Technical Data Sheet

# *Polyfort* CP0436G40CL NATURAL

Polypropylene Copolymer

## Product Description

*Polyfort* CP0436G40CL NATURAL is a Polypropylene Copolymer Glass Fiber, 40% filled material.

| | |
|---|---|
| **Forms** | Pellets |
| **Filler/Reinforcement** | Glass Fiber, 40% |

| Typical Properties | Nominal Value | Units | Test Method |
|---|---|---|---|
| **Physical** | | | |
| Melt Flow Rate, (230 °C/2.16 kg) | 4.0 | g/10 min | ASTM D1238 |
| Density - Specific Gravity | 1.2 | g/cm³ | ASTM D792 |
| **Mechanical** | | | |
| Tensile Elongation at Yield | 6 | % | ASTM D638 |
| Tensile Strength at Yield | 58 | MPa | ASTM D638 |
| Tensile Strength at Break | 57 | MPa | ASTM D638 |
| Flexural Modulus | 5700 | MPa | ASTM D790 |
| Tensile Elongation at Break | 9 | % | ASTM D638 |
| Tensile Modulus | 4000 | MPa | ASTM D638 |
| Flexural Strength | 88 | MPa | ASTM D790 |
| **Impact** | | | |
| Notched Izod Impact | 210 | J/m | ASTM D256 |
| **Hardness** | | | |
| Rockwell Hardness, (R-Scale) | 91 | | ASTM D785 |
| **Thermal** | | | |
| Deflection Temperature Under Load Unannealed (264 psi) | 139 | °C | ASTM D648 |
| Deflection Temperature Under Load Unannealed (66 psi) | 158 | °C | ASTM D648 |