

Technical Data Sheet

**Polyfort APP30GP06GY-GY GAPEXGRY**



Polypropylene, Homopolymer

**Product Description**

Polyfort APP30GP06GY-GY GAPEXGRY is a Polypropylene Homopolymer Glass Fiber/Mineral, 30% filled material. Features include: Homopolymer.

|                             |                          |
|-----------------------------|--------------------------|
| <b>Attribute</b>            | Homopolymer              |
| <b>Forms</b>                | Pellets                  |
| <b>Filler/Reinforcement</b> | Glass Fiber/Mineral, 30% |

| <b>Typical Properties</b>                              | <b>Nominal Value</b> | <b>Units</b>      | <b>Test Method</b> |
|--------------------------------------------------------|----------------------|-------------------|--------------------|
| <b>Physical</b>                                        |                      |                   |                    |
| Melt Flow Rate, (230 °C/2.16 kg)                       | 16                   | g/10 min          | ASTM D1238         |
| Density - Specific Gravity                             | 1.11                 | g/cm <sup>3</sup> | ASTM D792          |
| <b>Mechanical</b>                                      |                      |                   |                    |
| Tensile Strength at Yield, (23 °C)                     | 44.1                 | MPa               | ASTM D638          |
| Flexural Strength at Yield, (23 °C)                    | 63.4                 | MPa               | ASTM D790          |
| Flexural Modulus                                       |                      |                   |                    |
| (23 °C, 1% Secant)                                     | 3220                 | MPa               | ASTM D790          |
| (23 °C, Tangent)                                       | 3510                 | MPa               | ASTM D790          |
| Tensile Elongation at Break, (23 °C)                   | 5.0                  | %                 | ASTM D638          |
| <b>Impact</b>                                          |                      |                   |                    |
| Gardner Impact                                         | 2.26                 | J                 | ASTM D5420         |
| Unnotched Izod Impact, (23 °C)                         | 360                  | J/m               | ASTM D4812         |
| Notched Izod Impact, (23 °C)                           | 37                   | J/m               | ASTM D256          |
| <b>Thermal</b>                                         |                      |                   |                    |
| Deflection Temperature Under Load Unannealed (264 psi) | 132                  | °C                | ASTM D648          |
| Deflection Temperature Under Load Unannealed (66 psi)  | 154                  | °C                | ASTM D648          |