

Spartech Polycom EP5140

Polypropylene Homopolymer
Spartech Polycom

Message:

Spartech Polycom EP5140 is a polypropylene homopolymer (PP Homopoly) product, which contains 40% talc filler. It can be processed by blow molding, extrusion, thermoforming or profile extrusion molding, and is available in North America. The application fields of Spartech Polycom EP5140 include engineering/industrial accessories and containers.

Features include:
high strength
Homopolymer
Good stiffness

| General Information | |
|------------------------|-----------------------------------|
| Filler / Reinforcement | Talc filler, 40% filler by weight |
| Features | Rigid, good |
| | High strength |
| | Homopolymer |
| Uses | Components |
| | Food container |
| Forms | Particle |
| Processing Method | Blow molding |
| | Extrusion |
| | Thermoforming |
| | Profile extrusion molding |

| Physical | Nominal Value | Unit | Test Method |
|------------------------------------|---------------|-------------------|-------------|
| Specific Gravity | 1.25 | g/cm ³ | ASTM D792 |
| Molding Shrinkage - Flow (3.18 mm) | 0.90 | % | ASTM D955 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Yield) | 34.5 | MPa | ASTM D638 |
| Tensile Elongation | | | ASTM D638 |
| Yield | 3.0 | % | ASTM D638 |
| Fracture | 10 | % | ASTM D638 |
| Flexural Modulus | | | ASTM D790 |
| Secant | 2480 | MPa | ASTM D790 |
| Tangent | 3720 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (23°C) | 43 | J/m | ASTM D256 |
| Dart Drop Impact | | | ASTM D5420 |
| -6°C | < 1.36 | J | ASTM D5420 |

| 23°C | 1.36 | J | ASTM D5420 |
|-----------------------------------|---------------|-------------|-------------|
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load | | | ASTM D648 |
| 0.45 MPa, not annealed | 138 | °C | ASTM D648 |
| 1.8 MPa, not annealed | 79.4 | °C | ASTM D648 |
| Optical | Nominal Value | Test Method | |
| Gardner Gloss (60°) | 40 | ASTM D523 | |

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