

Spartech Polycom EP6420 A1

Polypropylene
Spartech Polycom

Message:

Spartech Polycom EP6420 A1 is a polypropylene product, which contains a 20% glass fiber reinforced material. It can be processed by blow molding and is available in North America.
Features include:
Chemical coupling
Good stiffness

| General Information | | | |
|---|---|-------------------|-------------|
| Filler / Reinforcement | Glass fiber reinforced material, 20% filler by weight | | |
| Features | Rigid, good | | |
| | Chemical coupling | | |
| Appearance | Natural color | | |
| Forms | Particle | | |
| Processing Method | Blow molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.05 | g/cm ³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 0.65 | g/10 min | ASTM D1238 |
| Molding Shrinkage - Flow (3.18 mm) | 0.40 | % | ASTM D955 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Yield, 23°C) | 58.6 | MPa | ASTM D638 |
| Tensile Elongation | | | ASTM D638 |
| Yield, 23°C | 5.0 | % | ASTM D638 |
| Fracture, 23°C | 6.0 | % | ASTM D638 |
| Flexural Modulus | | | ASTM D790 |
| Secant: 23°C | 2960 | MPa | ASTM D790 |
| Tangent: 23°C | 3310 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (23°C) | 210 | J/m | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load | | | ASTM D648 |
| 0.45 MPa, not annealed | 149 | °C | ASTM D648 |
| 1.8 MPa, not annealed | 110 | °C | ASTM D648 |

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