

Novalloy-S S5210

Polycarbonate + ABS

PlastxWorld Inc.

Message:

Novalloy-S S5210 is a Polycarbonate + ABS (PC+ABS) product filled with 10% glass fiber. It can be processed by injection molding and is available in Europe.

Characteristics include:

Flame Rated

Flame Retardant

| General Information | | | |
|---|----------------------------------|-------------------|-------------|
| Filler / Reinforcement | Glass Fiber,10% Filler by Weight | | |
| Features | Flame Retardant | | |
| | General Purpose | | |
| Uses | General Purpose | | |
| Forms | Pellets | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.28 | g/cm ³ | ASTM D792 |
| Molding Shrinkage - Flow | 0.20 to 0.50 | % | ASTM D955 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Yield) | 78.6 | MPa | ASTM D638 |
| Tensile Elongation (Break) | 2.0 | % | ASTM D638 |
| Flexural Modulus | 3920 | MPa | ASTM D790 |
| Flexural Strength | 119 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (23°C, 3.18 mm) | 59 | J/m | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Unannealed) | 131 | °C | ASTM D648 |
| CLTE - Flow | 5.8E-5 | cm/cm/°C | ASTM D696 |
| Flammability | Nominal Value | Test Method | |
| Flame Rating (1.70 mm) | V-0 | UL 94 | |

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