

SEPAZ™ 235A

Polyphthalamide

Mando Advanced Materials Co., Ltd.

Message:

SEPAZ™ 235A is a Polyphthalamide (PPA) product filled with 35% glass fiber. It is available in Asia Pacific.

Characteristics include:

Flame Rated

Heat Resistant

Low Moisture Absorption

| General Information | | | |
|---|---|-------------------|-------------|
| Filler / Reinforcement | Glass Fiber,35% Filler by Weight | | |
| Features | High Heat Resistance Low Moisture Absorption | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.51 | g/cm ³ | ASTM D792 |
| Molding Shrinkage ¹ | | | ASTM D955 |
| Flow | 0.20 | % | |
| Across Flow | 0.70 | % | |
| Water Absorption (24 hr) | 0.12 | % | ASTM D570 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength | 196 | MPa | ASTM D638 |
| Tensile Elongation (Break) | 2.1 | % | ASTM D638 |
| Flexural Modulus | 11800 | MPa | ASTM D790 |
| Flexural Strength | 284 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact | 98 | J/m | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Unannealed) | 270 | °C | ASTM D648 |
| Peak Melting Temperature | 313 | °C | ASTM D2133 |
| Flammability | Nominal Value | | Test Method |
| Flame Rating | HB | | UL 94 |
| Injection | Nominal Value | Unit | |
| Processing (Melt) Temp | 300 to 330 | °C | |
| Mold Temperature | 130 to 160 | °C | |
| NOTE | | | |

1. 60°C Mold Temperature

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