

RTP 211 K

Polyarylamide

RTP Company

Message:

Warning: The status of this material is 'Commercial: Limited Issue'
The data for this material has not been recently verified.
Please contact RTP Company for current information prior to specifying this grade.

| General Information | | | |
|---|---|-------------------|-------------|
| Filler / Reinforcement | Glass fiber reinforced material, 60% filler by weight | | |
| RoHS Compliance | Contact manufacturer | | |
| Processing Method | Injection molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.73 | g/cm ³ | ASTM D792 |
| Molding Shrinkage - Flow (3.18 mm) | 0.10 - 0.20 | % | ASTM D955 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus | 22800 | MPa | ASTM D638 |
| Tensile Strength | 262 | MPa | ASTM D638 |
| Tensile Elongation (Yield) | 1.5 - 2.5 | % | ASTM D638 |
| Flexural Modulus | 21400 | MPa | ASTM D790 |
| Flexural Strength | 379 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (3.18 mm) | 96 | J/m | ASTM D256 |
| Unnotched Izod Impact (3.18 mm) | 850 | J/m | ASTM D4812 |
| Flammability | Nominal Value | Test Method | |
| Flame Rating (1.50 mm, Values per RTP Company testing.) | HB | UL 94 | |
| Injection | Nominal Value | Unit | |
| Drying Temperature | 121 | °C | |
| Drying Time | 4.0 - 5.0 | hr | |
| Processing (Melt) Temp | 249 - 282 | °C | |
| Mold Temperature | 121 - 141 | °C | |
| Injection Pressure | 82.7 - 124 | MPa | |
| Injection instructions | | | |
| Desiccant Type Dryer Required. | | | |

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Recommended distributors for this material

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