

# RTP 209 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, 50% filler by weight |                   |             |
| RoHS Compliance   | Contact manufacturer                                  |                   |             |
| Processing Method                                       | Injection molding                                     |                   |             |
| Physical  | Nominal Value   | Unit              | Test Method |
| Specific Gravity  | 1.64  | g/cm <sup>3</sup> | ASTM D792   |
| Molding Shrinkage - Flow (3.18 mm)                      | 0.10 - 0.20   | %                 | ASTM D955   |
| Mechanical  | Nominal Value   | Unit              | Test Method |
| Tensile Modulus   | 20000   | MPa               | ASTM D638   |
| Tensile Strength  | 269   | MPa               | ASTM D638   |
| Tensile Elongation (Yield)                              | 1.5 - 2.5   | %                 | ASTM D638   |
| Flexural Modulus  | 19300   | MPa               | ASTM D790   |
| Flexural Strength                                       | 390   | MPa               | ASTM D790   |
| Impact  | Nominal Value   | Unit              | Test Method |
| Notched Izod Impact (3.18 mm)                           | 110   | J/m               | ASTM D256   |
| Unnotched Izod Impact (3.18 mm)                         | 960   | 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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