

## Samyang Tramid<sup>®</sup> 210G35 Polyamide, Reinforced

Category : Polymer , Thermoplastic , Nylon

**Material Notes:**

Strong with excellent thermal resistance. Abrasion resistance, chemical resistance and oil resistance are excellent. 210G35 is a reinforced grade. Applications: Automotive gear level housing Connectors Intake manifolds Thermostat housing Cooling radiator modules Sprinkler Water pipes Fan and shroud ECU cases Cylinder head cover Industrial ball valve Information provided by Samyang.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Samyang-Tramid-210G35-Polyamide-Reinforced.php](http://www.lookpolymers.com/polymer_Samyang-Tramid-210G35-Polyamide-Reinforced.php)

| Physical Properties   | Metric                | English               | Comments  |
|-----------------------|-----------------------|-----------------------|-----------|
| Specific Gravity      | 1.41 g/cc             | 1.41 g/cc             | ASTM D792 |
| Water Absorption      | 0.50 %                | 0.50 %                | ASTM D570 |
| Linear Mold Shrinkage | 0.0050 - 0.0080 cm/cm | 0.0050 - 0.0080 in/in | ASTM D955 |

| Mechanical Properties   | Metric                          | English                              | Comments  |
|-------------------------|---------------------------------|--------------------------------------|-----------|
| Tensile Strength        | 196 MPa                         | 28400 psi                            | ASTM D638 |
| Elongation at Break     | 3.0 %                           | 3.0 %                                | ASTM D638 |
| Flexural Yield Strength | 260 MPa                         | 37700 psi                            | ASTM D790 |
| Flexural Modulus        | 8.97 GPa                        | 1300 ksi                             | ASTM D790 |
| Izod Impact, Notched    | 1.18 J/cm<br>@Thickness 3.17 mm | 2.20 ft-lb/in<br>@Thickness 0.125 in | ASTM D256 |

| Thermal Properties                          | Metric  | English | Comments   |
|---|---------|---------|------------|
| Melting Point                               | 263 Å°C | 505 Å°F | ASTM D3418 |
| Deflection Temperature at 1.8 MPa (264 psi) | 253 Å°C | 487 Å°F | ASTM D648  |

| Electrical Properties | Metric     | English   | Comments  |
|-----------------------|------------|-----------|-----------|
| Dielectric Strength   | 21.0 kV/mm | 533 kV/in | ASTM D149 |

## Contact Songhan Plastic Technology Co.,Ltd.

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