

**TRIREX® Compound NH3020G15**

Samyang Corporation - Polycarbonate

**General Information**
**Product Description**

Polycarbonates provides excellent mechanical properties, dimensional stability, and good electrical property. Widely used in various industrial fields such as electronics, automobiles.

**General**

|                 |   |
|-----------------|---|
| Material Status | • Commercial: Active                    |
| Availability    | • Asia Pacific • Europe • North America |
| Uses            | • Television Housings                   |

**Properties <sup>1</sup>**

| Physical  | Nominal Value | Unit     | Test Method |
|---|---------------|----------|-------------|
| Density / Specific Gravity                              | 1.30          |          | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)                | 40            | g/10 min | ASTM D1238  |
| Water Absorption (24 hr, 73°F)                          | 0.12          | %        | ASTM D570   |
| Mechanical  | Nominal Value | Unit     | Test Method |
| Tensile Strength (Yield)                                | 14200         | psi      | ASTM D638   |
| Tensile Elongation (Yield)                              | 3.0           | %        | ASTM D638   |
| Flexural Modulus  | 725000        | psi      | ASTM D790   |
| Flexural Strength (Yield)                               | 21300         | psi      | ASTM D790   |
| Impact  | Nominal Value | Unit     | Test Method |
| Notched Izod Impact (73°F)                              | 0.92          | ft-lb/in | ASTM D256   |
| Thermal   | Nominal Value | Unit     | Test Method |
| Deflection Temperature Under Load (264 psi, Unannealed) | 212           | °F       | ASTM D648   |
| Flammability  | Nominal Value | Unit     | Test Method |
| Flame Rating  |               |          | UL 94       |
| 0.04 in   | V-1           |          |             |
| 0.06 in   | V-0           |          |             |

