

# TRIEX® Compound 3025GRU30

Polycarbonate  
Samyang Corporation

Message:

TRIEX® Compound 3025GRU30 is a Polycarbonate (PC) product. It is available in Asia Pacific, Europe, or North America. Primary characteristic: flame rated.

| General Information                      |                |                |             |
|------------------------------------------|----------------|----------------|-------------|
| UL YellowCard                            | E257054-521421 | E121254-220610 |             |
| Forms                                    | Pellets        |                |             |
| Physical                                 | Nominal Value  | Unit           | Test Method |
| Specific Gravity                         | 1.34           | g/cm³          | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (300°C/1.2 kg) | 25             | g/10 min       | ASTM D1238  |
| Molding Shrinkage - Flow                 | 0.30 to 0.50   | %              | ASTM D955   |
| Water Absorption (23°C, 24 hr)           | 0.12           | %              | ASTM D570   |
| Hardness                                 | Nominal Value  | Unit           | Test Method |
| Rockwell Hardness (R-Scale)              | 122            |                | ASTM D785   |
| Mechanical                               | Nominal Value  | Unit           | Test Method |
| Tensile Strength (Yield)                 | 49.0           | MPa            | ASTM D638   |
| Tensile Elongation (Break)               | 4.0            | %              | ASTM D638   |
| Flexural Modulus                         | 3430           | MPa            | ASTM D790   |
| Flexural Strength (Yield)                | 98.1           | MPa            | ASTM D790   |
| Impact                                   | Nominal Value  | Unit           | Test Method |
| Notched Izod Impact (23°C, 3.18 mm)      | 49             | J/m            | ASTM D256   |
| Thermal                                  | Nominal Value  | Unit           | Test Method |
| Deflection Temperature Under Load        |                |                | ASTM D648   |
| 0.45 MPa, Unannealed                     | 150            | °C             |             |
| 1.8 MPa, Unannealed                      | 144            | °C             |             |
| CLTE - Flow                              | 1.9E-5         | cm/cm/°C       | ASTM D696   |
| Electrical                               | Nominal Value  | Unit           | Test Method |
| Volume Resistivity                       | 4.0E+16        | ohms · cm      | ASTM D257   |
| Dielectric Strength                      | 31             | kV/mm          | ASTM D149   |
| Dielectric Constant                      | 3.29           |                | ASTM D150   |
| Dissipation Factor                       | 9.7E-3         |                | ASTM D150   |
| Arc Resistance                           | 120            | sec            | ASTM D495   |
| Flammability                             | Nominal Value  | Unit           | Test Method |
| Flame Rating                             | HB             |                | UL 94       |

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