

TRIEL® 5249FC

 Samyang Corporation - *Thermoplastic Polyester Elastomer*
General Information
Product Description

TRIEL® offers significant chemical resistance, thermal resistance, weatherability and low temperature flexibility

General

| | |
|-----------------|---|
| Material Status | • Commercial: Active |
| Availability | • Asia Pacific • Europe • North America |
| Features | • Food Contact Acceptable |
| Uses | • Food Packaging • General Purpose |
| Forms | • Pellets |

Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|--|----------------|----------|-------------|
| Density / Specific Gravity | 1.07 | | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 14 | g/10 min | ASTM D1238 |
| Molding Shrinkage - Flow | 0.012 to 0.015 | in/in | ASTM D955 |
| Water Absorption (24 hr, 73°F) | 0.50 | % | ASTM D570 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Break) | 882 | psi | ASTM D638 |
| Tensile Elongation (Break) | > 400 | % | ASTM D638 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact | | | ASTM D256 |
| -40°F | No Break | | |
| 73°F | No Break | | |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore D) | 24 | | ASTM D2240 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (66 psi, Unannealed) | 113 | °F | ASTM D648 |
| Flammability | Nominal Value | Unit | Test Method |
| Flame Rating (0.06 in) | HB | | UL 94 |

Notes
¹ Typical properties: these are not to be construed as specifications.
