**SPECIAL FEATURES**
- High heat resistance
- Flame retardant
- Non halogen and Phosphorus
- Fine dr
- Low smoke density
- Dimensional Stability
- Low Toxicity
- Dyeability
- Low water absorption
- Thermo plasticity
- Light weight
- Variation of thickness and weight
- Sound absorption
- Softness

**POTENTIAL APPLICATIONS**
- Aircraft, Railway and Automotive
- Energy
- PPE
- Electronic & Electronics
- Sports
- Work wear and Firefighter garment
- Wall fabric and Fire blocker for building
- Sidewalls, Seats textile for railway, aircraft and automotive. Fire blocking Layer
- Binder for nonwoven, paper and composite
- Housing for PC and smart phone
- Wall fabric and Fire blocker for building
- Protective apparel
- Thermal & acoustic insulation blanket

**PEI (Polyetherimide)** is an amorphous thermoplastic resin, which has special features, such as high heat resistance, flame retardant and low smoke etc. Kuraray has succeeded in manufacturing the PEI-Fiber with our original spinning technology. The Trade name is KURAKISSS™.

The KURAKISSS™ is a new high heat resistance and flame retardant fiber which has several unique properties, such as fine dr, low smoke density and good dyeability. Our KURAKISSS™ can be used in many applications. The most important concept of KURAKISSS™ is quite simply "the provision of safe and secure environment."
**PHYSICAL PROPERTIES**

- **Fineness**: 2.2 dtex
- **Tenacity**: 2.6 cN/dtex
- **Elongation at break**: 70%
- **Glass transition point (Tg)**: 215°C
- **Thermal shrinkage at 180°C**: <3%
- **L.O.I.**: 31
- **Smoke during burning**: Very low density
- **Dyeability**: Good
- **Others**: Thermoplastic

**MOLECULAR STRUCTURE:**

PEI is a high performance amorphous thermoplastic polymer.

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**KURAKISSS™-PRODUCTS:**

- Filament
- Color Fiber
- PET / PEI Alloy
- Staple
- Short cut
- Nonwoven
- Spun Yarn
- Man-made leather
- Composite
- UD-tape
- Textile

**SMOKE DENSITY AFTER 4 min**

<table>
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<th>Meta-Aramid Fiber</th>
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</tbody>
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(Kuraray method)

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**TYPE ISSUE**

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