

Specification Sheet

GK - 40

Plastic Optical Fiber

Eska Premier

High - Performance Plastic Optical Fiber

E s k a[™]

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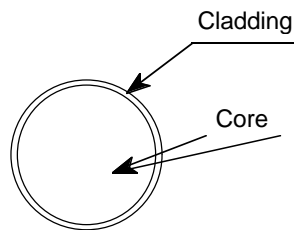
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1.Scope

2. Structure

| Item | | GK - 40 | | | |
|--------------------|--------------------------|---------------|--------------------------------|-------|-------|
| | | Specification | | | |
| | | Unit | Min. | Typ. | Max. |
| Optical Fiber | Core Material | — | Polymetyl - Methacrylate Resin | | |
| | Cladding Material | — | Fluorinated Polymer | | |
| | Core Refractive Index | — | 1.49 | | |
| | Numerical Aperture | — | 0.5 | | |
| | Refractive Index Profile | — | Step Index | | |
| | Core Diameter | μm | 920 | 980 | 1,040 |
| | Cladding Diameter | μm | 940 | 1,000 | 1,060 |
| Approximate Weight | | g / m | 1 | | |

Sectional View

3.Performance

Table2

| Item | | Acceptance Criterion and / or [Test Condition] | GK - 40 | | | |
|-------------------------------|---|---|---------------|------|------|------|
| | | | Specification | | | |
| | | | Unit | Min. | Typ. | Max. |
| Maximum Rating | Storage and Operation Temperature | No Deterioration in Optical Properties* | °C | - 55 | — | + 85 |
| | Operation Temperature under high humidity | No Deterioration in Optical Properties** [95 %RH] | °C | - | — | + 75 |
| Optical Properties | Transmission Loss | 650 nm Collimated Light] [Standard condition] [10 m - 1 m cutback] | dB/km | — | — | 150 |
| Mechanical Characteristics | Minimum Bend Radius | Loss Increment =< 0.5 dB [Quarter bend] | mm | 20 | — | — |
| | Tensile Strength | [Tensile Force at Yield Point] [JIS C 6861] | N | 65 | — | — |

All tests are carried out under temperature of 25°C unless otherwise specified.

* Attenuation change shall be within 10 % after 1,000 hours.

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The specification is subject to change without notice.

The information contained herein is presented as a guide for the product selection. Please contact our business department for the issue of an official specification sheet.