Specification Sheet

CK-60

High-Performance Plastic Optical Fiber E s k a[™]

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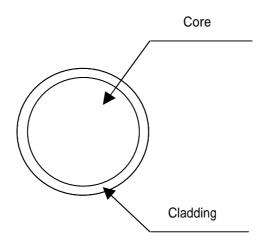
1. Scope

The specification covers basic requirements for the structure and optical performances of CK-60.

2. Structure

Table 1			CK-60		
Item		Specification			
		Unit	Min.	Тур.	Max.
Optical Fiber	Core Material	-	Polymethyl-Methacrylate Resin		
	Cladding Material	-	Fluorinated Polymer		
	Core Refractive Index	-	1.49		
	Refractive Index Profile	-	Step Index		
	Numerical Aperture	-	0.5		
	Core Diameter	μm	1,380	1,470	1,560
	Cladding Diameter	μm	1,410	1,500	1,590
Approximate Weight		g/m	2		

Sectional View



3. Performances

Table 2 CK-60 **Acceptance Criterion** Specification and/or Item [Test Condition] Unit Min. Тур. Max. No Deterioration Storage - 55 + 70 Temperature in Optical Properties No Deterioration Maximum in Optical Properties* - 55 + 70 Rating [in a Dry Atmosphere] Operation Temperature No Deterioration in Optical Properties** +60 [95%RH] [650nm Collimated Light] Optical [Standard condition] dB/km **Transmission Loss** 200 **Properties** [10m-1m cutback] Loss Increment 0.5dB Minimum mm 40 **Bend Radius** [A Quarter Bend] Mechanical Characteristics [Tensile Force at Yield Point] Tensile Strength Ν 145 [JIS C 6861]

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

^{*} Attenuation change shall be within +/- 10% after 1,000 hours.

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