

Specifications for Plastic Optical Fiber

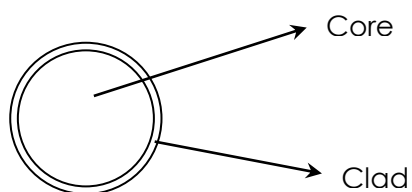
TB-500

Issued on : April 30, 2020

Issued by : Asahi Kasei Corporation
Plastic Optical Fiber
Marketing & Development Gr

1, STRUCTURE

ITEM	UNIT	Specifications
Core Material		PMMA
Clad Material		Fluorinated Polymer
Fiber Diameter	μm	500 ± 25
NA		0.5

2, PROPERTIES

ITEM	UNIT	Specifications	
Application Temperature Range	°C	-55 ~ 85	
Attenuation	dB/m	≤ 0.16	*1
Tensile Strength at Break Point	N	≥ 15	*2

Sample conditions

Temperature: T = 23°C
Humidity: RH = 50%
Storage time: t = 200h

*1 : Monochromatic light at 650nm, LNA = 0.15, 52-2m Cut-back Method

*2 : Interval between grippers = 100 mm, Tensile Speed = 100mm/min

3, RoHS certification

The product does not contain RoHS 2 hazardous substances, Cadmium, Lead, Mercury, Chromium (VI), PBB, PBDE, DIBP, DEHP, DBP and BBP intentionally.