

# Specifications for Plastic Optical Fiber

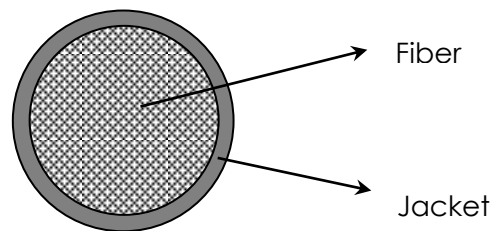
## Multicore POF™ MCL-1500-1.75

Issued on : April 8, 2020

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

## 1, STRUCTURE

ITEM	UNIT	Specifications
Core Material		PMMA
Clad Material		Fluorinated Polymer
Core reflective index		1.49
Reflective index Profile		Step index
Fiber Diameter	μm	1500 ± 90
Core Number		13000
NA		0.5
Jacket Material		PE
Jacket Diameter	μm	1750 ± 50
Jacket Color		Black



## 2, PROPERTIES

ITEM	UNIT	Specifications	
Storage Temperature Range	°C	-55 ~ 60	
Application Temperature Range	°C	-55 ~ 60	
Tensile Strength at Break Point	N	≥ 140	*1

Though the image transmitted through 13,000-core POF may show concentrically faded areas, this does not indicate a defective product but is a characteristic of the product due to the structure of the POF.

### Sample conditions

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

\*1 : 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.