

RESOURCE GUIDE



Manufacturer:
AngstromLink™

Product Name:
AngstromLink OKP Optical Plastic Series

Manufacturer Part Number:
OKP Series

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PHYSICAL AND MECHANICAL PROPERTIES

Material	OKP1 (Polyester)	OKP4 (Polyester)	OKP4HT (Polyester)	OKPV1 (Polyester)	OKPA2 (Polyester)	LEV1700KL (PC)	U-100 (Ultem-like)	T-200 (Ultem-like)
Tg °C	132	121	142	149	144	147	193	265 for solder reflow
HDT °C (°C, 1.80MPa)	122 w/annealing	111 w/annealing	133 w/annealing	139 w/annealing	130 w/annealing	126 no annealing	177 no annealing	250 no annealing
%-Water (24 hours)	0.09%	0.14%	0.11%	0.11%	0.08%	0.3%	0.26%	0.35%
Tensile strength at break (MPa)	77	72	79	65	78	65	69	80
Linear Expansion Coefficient	6.5 (10 ⁻⁵ /°C)	7.4 (10 ⁻⁵ /°C)	6.3 (10 ⁻⁵ /°C)	6.1 (10 ⁻⁵ /°C)	6.0 (10 ⁻⁵ /°C)	6.8 (10 ⁻⁵ /°C)	0.6 (10 ⁻⁴ /°C)	0.7 (10 ⁻⁴ /°C)

OPTICAL PROPERTIES AND MELT FLOW RATE

Material*	OKP1 (Polyester)	OKP4 (Polyester)	OKP4HT (Polyester)	OKPV1 (Polyester)	OKPA2 (Polyester)	LEV1700KL (PC)	U-100 (Ultem-like)	T-200 (Ultem-like)
Refractive Index @ 589nm	1.642	1.607	1.632	1.637	1.661	1.585	1.61	1.58
Abbe Number	22.3	26.8	23.1	22.8	20.4	34	19	26
%-T Transmittance in Visible Spectrum (Thickness)	90 (1mm)	90 (1mm)	90 (1mm)	90 (1mm)	90 (1mm)	90 (50mm)	87 (2mm)	87 (3mm)
Birefringence** OGC Method nm, 10 ⁻⁴	<5	<5	55	34	9	-	-	-
MFR (g/10min)	5 (230 °C/2.16Kg)	12 (230 °C/2.16Kg)	2 (230 °C/2.16Kg)	3 (230 °C/2.16Kg)	2 (230 °C/2.16Kg)	37 (300 °C/1.2Kg)	4.9 (360 °C/1.2Kg)	2.7 (380 °C/2.16Kg)

Contact the professionals at Fiber Optic Center for a quote or to get more details.

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*Product data subject to change
without notice.*