

# Fiber Tensile Strength & Elongation

## S-S Curve

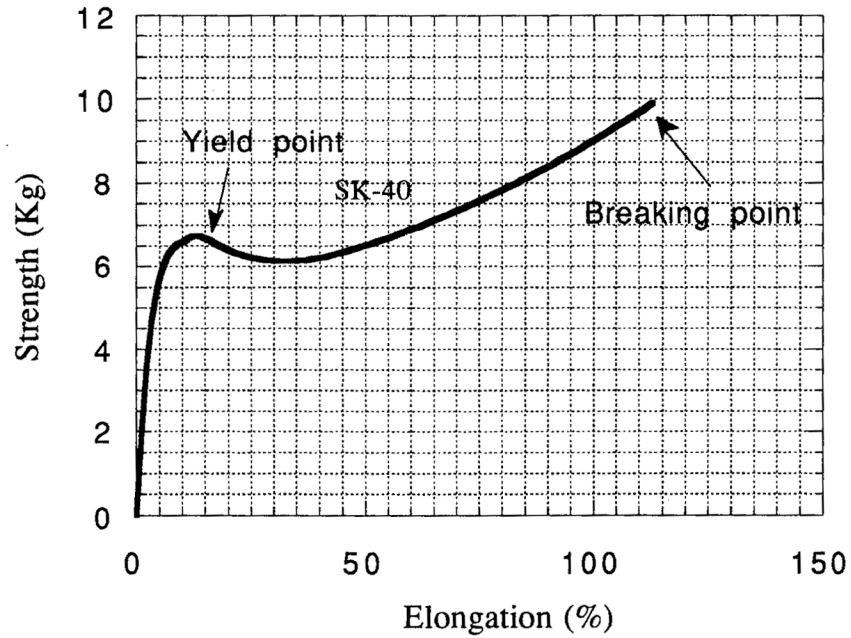


Figure 15.1 Stress-Strain Curve of Fiber

Table 15.1 Strength and Elongation of Fibers

Fiber		Yield Point		Breaking Point		
Type	Material	Diameter (mm)	Strength (Kg)	Elongation (%)	Strength (Kg)	Elongation (%)
Eska SK40	PMMA	1.0	7.2	6.9	9.9	113
Eska EK40	PMMA	1.0	7.2	6.7	9.8	103
Eska DK40-F	PMMA	1.0	7.4	6.8	7.5	107
Eska FK40-T	PC	1.0	5.9	7.2	9.8	63

# Fiber Tensile Strength & Elongation

## Effect of Fiber Size

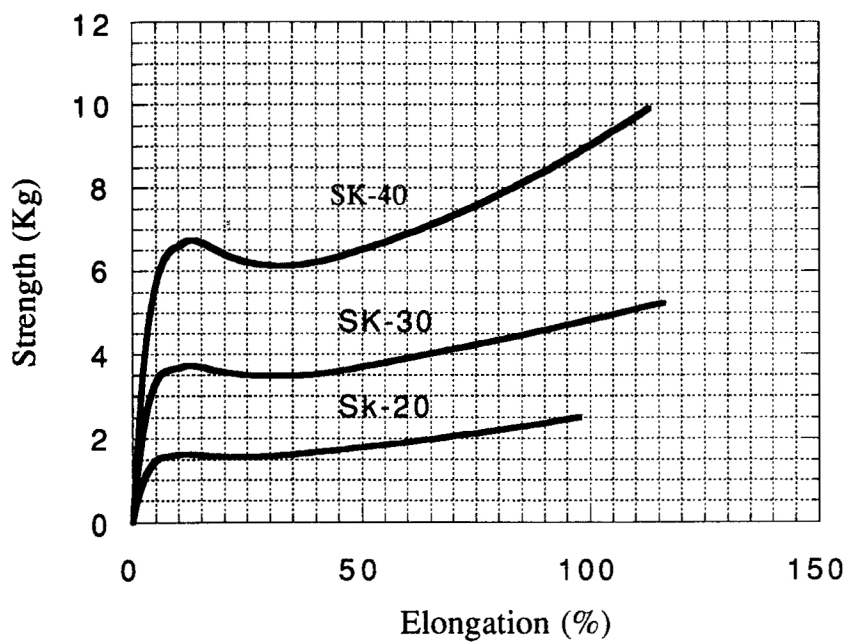


Figure 15.2 Effect of Fiber Size