

玻璃飘带

Glass-ribbon



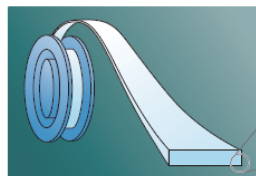
玻璃飘带很薄,可以像树脂膜一样弯曲或卷起。玻璃表面未经抛光,但是非常平坦和光滑。玻璃飘带两侧具有圆弧形边缘。这能够增强对于弯曲和扭转压力的耐久性。我们的改良型生产技术使我们能够提供最大30mm宽和15 μ m厚的玻璃飘带。

Glass-ribbon is so thin that it can be bent or rolled up like resin film. The glass surface is unpolished, but it is extremely flat and smooth. Glass-ribbon is characterized by rounded edges on both sides. This enables enhanced durability in the face of bending and twisting pressure. The improvement of our production technology enables us to offer maximum 30mm-width while its thickness is 15 μ m.

尺寸

Dimensions

厚度 Thickness	4 μ m ~ 50 μ m
宽度 Width	0.5mm ~ 30mm
宽厚比(宽度 / 厚度) Aspect ratio (Width/ Thickness)	Up to 2500
长度 Length	Up to 100m



边缘的SEM图像
SEM image of enlarged edge

规格

Specification

玻璃材料	Glass material		A	C	D	T
热膨胀系数	Coefficient of thermal expansion	$\times 10^{-7}/K$	66	84	38	100
软化点	Softening point	$^{\circ}C$	740	836	940	760
介电常数	Dielectric constant	1MHz、25 $^{\circ}C$	6.5	7.6	5.3	7.7
折射率	Refractive index	nd	1.51	1.55	1.52	1.52
杨氏模量	Young's modulus	GPa	77	77	73	75