

**UV-Transparent Coating Single Mode Fiber**

*Product Information*

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**FEATURES**

Thermally cured UV-Transparent coating. The coating may be applied on any fiber as a single coating. FBG's can be produced from this fiber without coating-stripping, thereby preserving the strength of FBGs.

**APPLICATION**

FBG mass production  
Splice-free FBG chain

**SPECIFICATIONS**

**Product Name**

Cut-off Wavelength  
Attenuation @1310nm  
@1550nm  
Numerical Aperture  
Mode Field Diameter @1310nm  
(Petermann II) @1550nm  
Cladding Diameter  
Coating Diameter  
Cladding/ Coating Concentricity  
Length  
Proof Test Level

$\leq 0.4$  dB/km  
 $\leq 0.3$  dB/km  
 $0.12 \pm 0.01$   
8.8 ~ 9.8 nm  
9.5 ~ 11.5 nm  
 $125 \pm 1$   $\mu$ m  
 $260 \pm 10$   $\mu$ m  
 $< 12$   $\mu$ m  
Customize  
40 kpsi

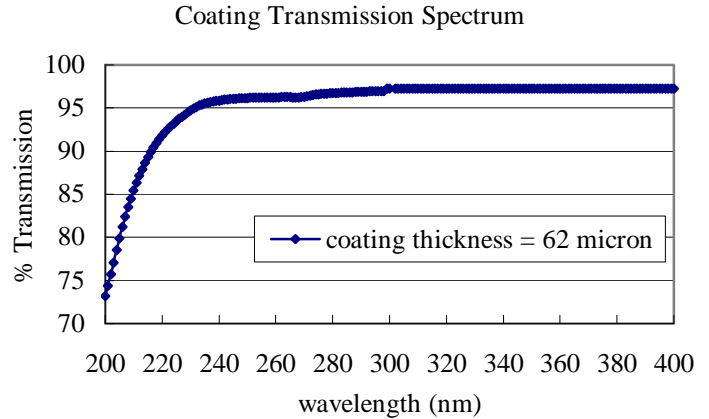
**CURED PROPERTIES OF COATING MATERIAL**

**Characteristics**

Hardness, Shore A Durometer  
Tensile Strength  
Elongation  
Useful Temperature Range  
Adhesive Strength  
Refractive Index  
Transmission @ 244nm / 248nm / 325nm, t=62 $\mu$ m

**Specified Values**

30  
1.0 Mpa  
130%  
-50°C to +200°C  
0.3 Mpa  
1.407  
96.05% / 96.13% / 97.27%



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