



# PROFESSIONAL PLASTICS

## *Polyimide Tubing Properties* *Microbore Polyimide Tubing*

<b>Material Property</b>	<b>Value</b>
Elongation:	50% (Nominal)
Thermal Range:	-269° C to 400° C
Tensile Strength:	20,000 PSI Minimum
Hoop Stress:	11,000 PSI Minimum
Dielectric Strength:	4,000 Volts / .001" Thickness (minimum)
Dielectric Constant:	3.4
Radiation Resistance:	3.0 x 10 <sup>9</sup> gamma dose rd
Coefficient of Thermal Expansion:	4.0 x 10 <sup>-5</sup> /°C
Coefficient of Thermal Conductivity:	35 x10 <sup>-5</sup> Cal/sec/cm <sup>2</sup> /°C/cm
Coefficient of Friction:	0.5

### **Features**

USP Class VI Compliant  
Chemically Inert  
Excellent Chemical Resistance  
Excellent Torque Transmission  
Excellent Column Strength  
Non-Melting  
Thin Walls  
Transparent

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