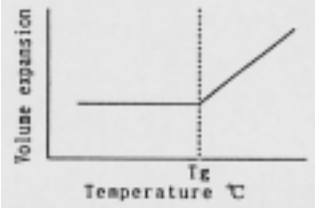
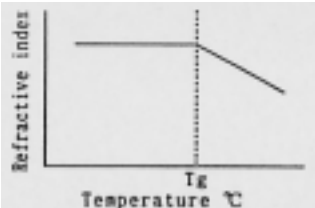


Properties and Applications of Shape Memory Polymer

Under Developing & Ideal Phase

SMP Technologies Inc.

PROPERTIES		APPLICATIONS Under Developing & Ideal Phase
<u>Volume Expansion</u>	 <p>The graph shows 'Volume expansion' on the y-axis and 'Temperature °C' on the x-axis. A horizontal line represents the material's volume before the glass transition temperature (Tg). At Tg, indicated by a vertical dashed line, the volume expansion increases sharply, shown by a steeper upward-sloping line.</p>	<ul style="list-style-type: none"> · Thermo sensor · Inflatable material · Panel for Display
<u>Recovery Force</u>		<ul style="list-style-type: none"> · Binding Element · Clamping pin · Self-deployable structures
<u>Refractive Index</u>	 <p>The graph shows 'Refractive index' on the y-axis and 'Temperature °C' on the x-axis. A horizontal line represents the material's refractive index before the glass transition temperature (Tg). At Tg, indicated by a vertical dashed line, the refractive index decreases sharply, shown by a downward-sloping line.</p>	<ul style="list-style-type: none"> · Lens · Thermo sensor · Optical Fiber
<u>Dialectic Constant</u>		<ul style="list-style-type: none"> · Thermo sensor