



Adding value to
your formulations

COEFFICIENT OF THERMAL EXPANSION FOR POLYBUTENES

<u>PRODUCT</u>	<u>(Vol/Vol⁰F)/(Vol/Vol⁰C)</u>
Polybutene 8	.00038/.00068
Polybutene 18	.000375/.000675
Polybutene 24	.000364/.000655
Polybutene 32	.000357/.000643
Polybutene 122	.00034/.000612
Polybutene 128	.00032/.000576

Example: How much expansion would be expected if 23,000 gal. Polybutene 122 were heated from 180⁰F to 250⁰F?

$$\text{Vol Expansion, gal.} = 23,000 \text{ gal.} \times (250^{\circ}\text{F} - 180^{\circ}\text{F}) \times .00034 \frac{\text{gal.}}{\text{gal.}^{\circ}\text{F}} \\ = 547.4 \text{ gal.}$$