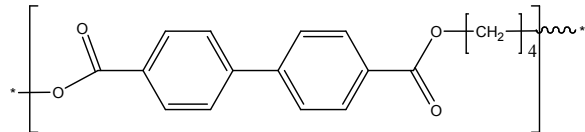


**Sample Name:** Poly (butylenes ) bibenzoate)  
Poly ester based on dimethyl biphenyl 4,4-dicarboxylate and 1,4 butane diol

**Sample #:** P5643A-BBB

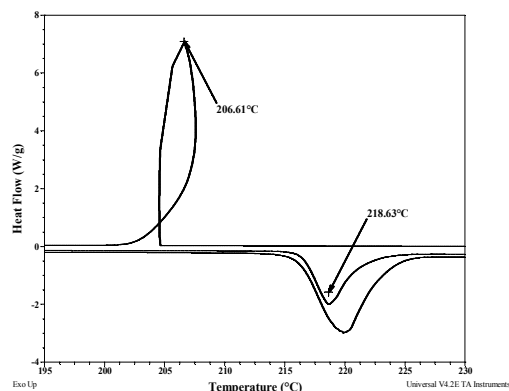
**Structure:**



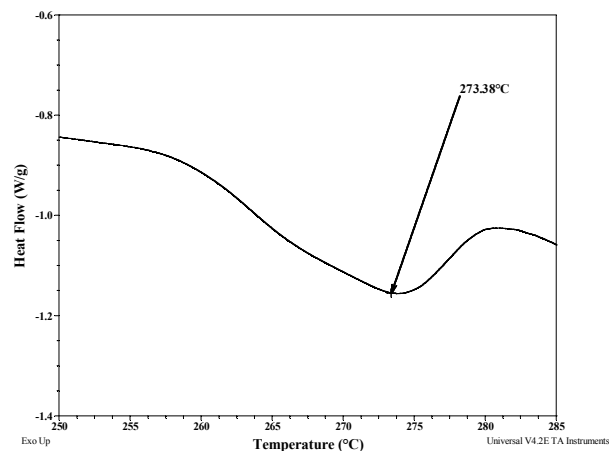
**Composition:**

[η] dl/g in Trifluoroacetic acid/methylene chloride 35/65 v/v ratio at 25 °C	Tm of the Polymer
0.15dl/g	273 oC

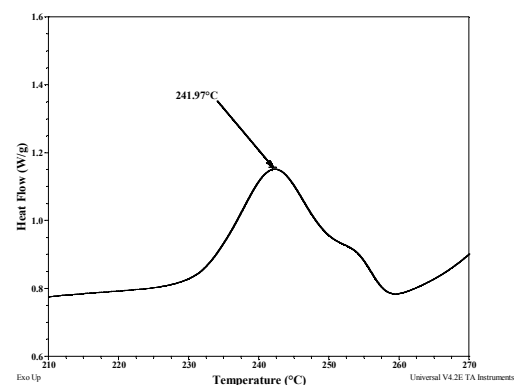
**Thermogram for monomer (Biphenyl 4-4'' dicarboxy methylester) :**



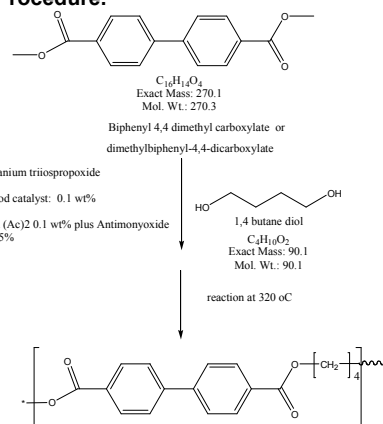
**Melting curve:**



**Crystallization curve:**



**Synthesis Procedure:**



**Solubility:**

Polymer is soluble in trifluoroacetic acid and methylene chloride mixture at room temperature.

Heating rate (10°C/min)		
Sample	M.Pt. (T <sub>m</sub> , °C)	Cryst. Temp. (T <sub>c</sub> , °C)
Monomer	219 (10°C/min)	206 (10°C/min)
Polymer (P5641)	271 (10°C/min) (not very distinct) 273 (20°C/min) (distinct)	242 (20°C/min)