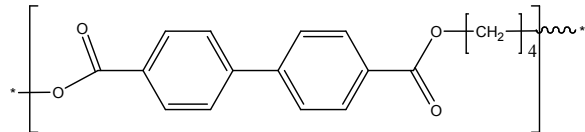


Sample Name: Poly (butylenes) bibenzoate)
Poly ester based on dimethyl biphenyl 4,4-dicarboxylate and 1,4 butane diol

Sample #: P5643B-BBB

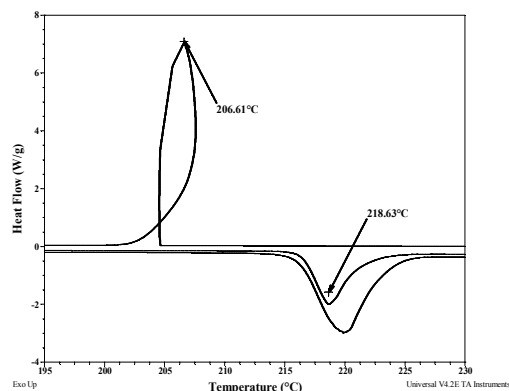
Structure:



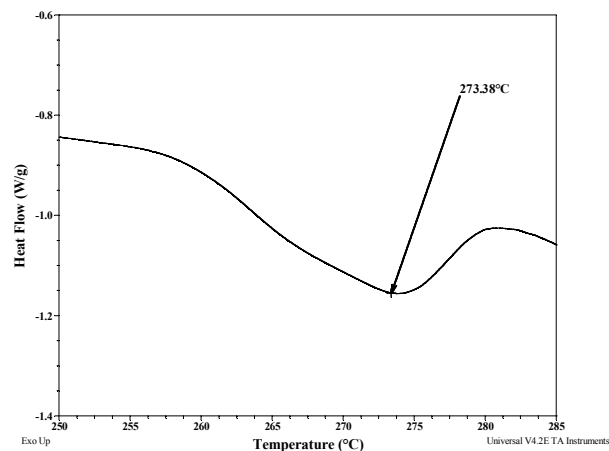
Composition:

[η] dl/g in Trifluoroacetic acid/methylene chloride 35/65 v/v ratio at 25 °C	Tm of the Polymer
0.12dl/g	273 oC

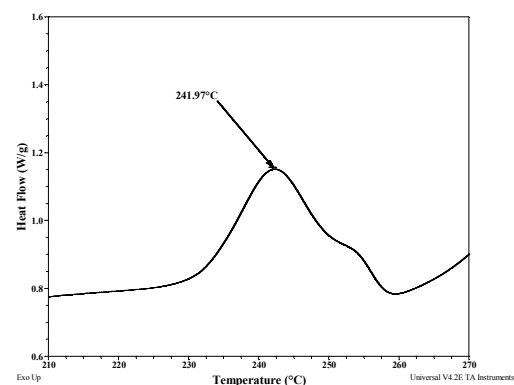
Thermogram for monomer (Biphenyl 4-4'' dicarboxy methylester) :



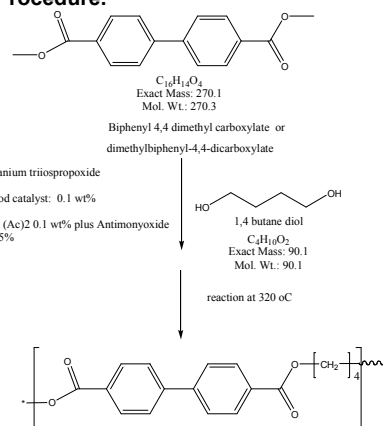
Melting curve:



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_m , °C)	Cryst. Temp. (T_c , °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)