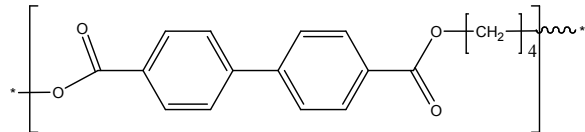


Sample Name: Poly (butylenes) bibenzoate)
Poly ester based on dimethyl biphenyl 4,4-dicarboxylate and 1,4 butane diol

Sample #: P5639-BBB

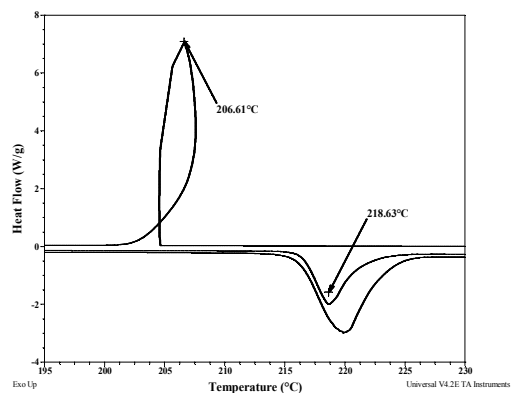
Structure:



Composition:

[η] dl/g in Trifluoroacetic acid/methylene chloride 35/65 v/v ratio at 25 °C	Tm of the Polymer
0.26dl/g	286 oC

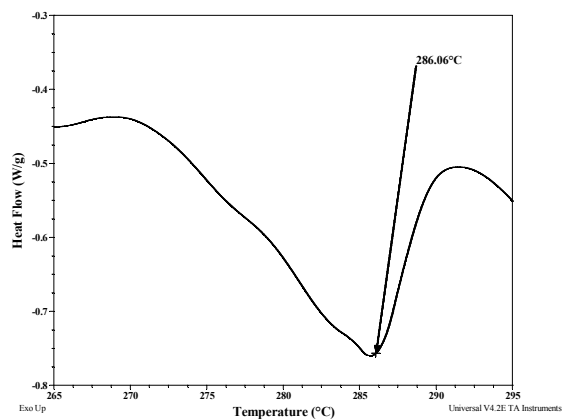
Thermogram for monomer (Biphenyl 4-4'' dicarboxy methylester) :



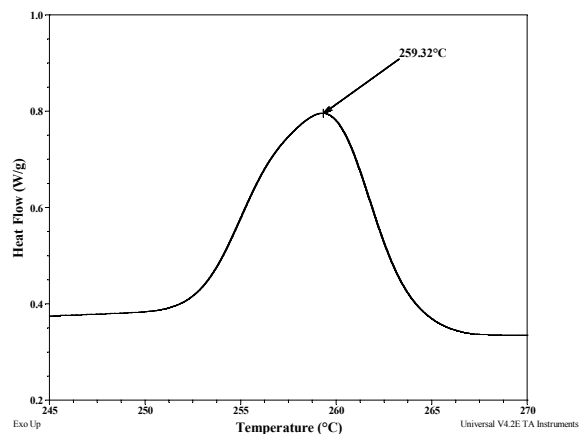
Heating rate (10°C/min)

Sample	M.Pt. (T_m , °C)	Cryst. Temp. (T_c , °C)
Monomer	219	206
Polymer (P5640)	286	259

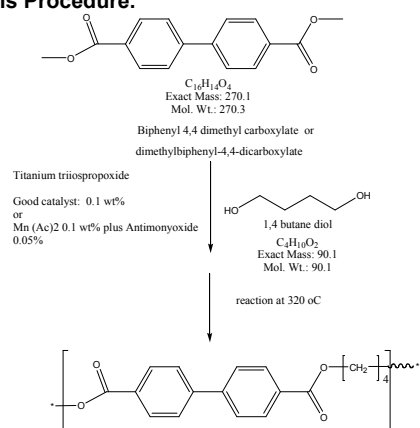
Melting curve:



Crystallization curve:



Synthesis Procedure:



Solubility:

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