

- ☐ Improved mechanical strength
- ☐ Low T_g

Polymer	Ratio (%)		
	DMA _d	BHMF	HMDA
P(Fad-co-HMA)10	50	40	10
P(Fad-co-HMA)12.5	50	37.5	12.5
P(Fad-co-HMA)25	50	25	25
P(Fad-co-HMA)37.5	50	12.5	37.5

The figure consists of two panels. The top panel displays four DSC thermograms for PTMVA at different cooling rates. The y-axis is labeled 'Endo Up' with an upward arrow, and the x-axis is 'Temperature (°C)' ranging from -50 to 150. The curves are color-coded: blue (top), magenta, orange, and green (bottom). Each curve is labeled with its glass transition temperature (T_g) and melting temperature (T_m).

Curve Color	T_g (°C)	T_m (°C)
Blue	-17	92
Magenta	-26	87
Orange	-28	84
Green	-	100

The bottom panel shows TGA curves for PTMVA. The y-axis is 'Weight (%)' from 0 to 100, and the x-axis is 'Temperature (°C)' from 0 to 700. Four curves are shown, color-coded to match the DSC thermograms: blue, magenta, orange, and green. All curves show a major weight loss step between 250°C and 500°C.

