

**Table 4.** Thermophysical properties of original and modified PETPH

Material	Temperature of vitrification, °C	Change in specific heat capacity within the vitrification interval, J/g·°C	Temperature of softening, °C	Temperature of melting, °C	Enthalpy at melt point, J/g
<i>Crystal PETPH</i>					
PETPH	74.9-81.8	0.074-0.083	233.2-237.5	246.1-247.5	-62.62
PETPH + 2.0 % FU	60.7-71.6	0.022-0.040	234.6-238.8	246.4-248.1	-56.29
<i>Amorphous PETPH</i>					
PETPH	73.6-76.8	0.319-0.351	208.4-212.1	238.8-245.0	-42.79
PETPH + 2.0 % FU	44.9-86.3	0.001-0.086	220.6-227.3	232.7-250.4	-36.80