

TESTING REPORT

THERMAL STABILITY ON INFILL TPE

Scope: Thermal stability behavior of a TPE infill from Felix Compounds

Standard: None

Equipment: Oven and thermometer

Principe: The oven heat is increased by 5 °C at the time and stabilised for 15minutes at each interval, until the material start to melt and agglomerate.

Product characteristics declared by the client: TPE Green PRO-MAX 37 from Felix Compounds

Temp °C	Temp °F	Remark
70	158	No agglomeration noticed
75	167	No agglomeration noticed
80	176	No agglomeration noticed
85	185	No agglomeration noticed
90	194	No agglomeration noticed
95	203	No agglomeration noticed
100	212	No agglomeration noticed
105	221	No agglomeration noticed
110	230	No agglomeration noticed
115	239	No agglomeration noticed
120	248	Outside of the pellets start to be sticky
125	257	First agglomeration noticed

Pictures:



At ambient temperature



After exposure of a 125C heat

Conclusion:

The thermal behavior of the tested TPE is stable until the temperature of 115 °C or 239 °F

This test is not combined to an UV test which could slightly influence results.

Montréal, the 11th of January 2013

END OF REPORT