

Heat capacity, heat of reaction & Lower Calorific Value of Telene® Non reinforced grades

Heat capacity - Telene® polymer - non reinforced grades

Temp. °C	Cp Cal/gK	Cp J/gK
50	0.3786	1.582548
60	0.3889	1.625602
70	0.4003	1.673254
80	0.4169	1.742642
90	0.4294	1.794892
100	0.4366	1.824988
110	0.4429	1.851322
120	0.4512	1.886016
130	0.4553	1.903154
140	0.4595	1.92071
150	0.4709	1.968362
160	0.4968	2.076624
170	0.5092	2.128456
180	0.5289	2.210802
190	0.5404	2.258872
200	0.5538	2.314884
210	0.5601	2.341218
220	0.5652	2.362536

Heat Capacity of Telene A and B formulation components

- 2.09 kJ/kg/K or 0.5 kcal/kg/deg °C at Room Temperature

Heat of reaction

- $\Delta H = 374$ J/g of reactive mixture

Lower Calorific Value of Telene®

- Liquid components: 10250 kcal/kg

- Polymer: 9900 kcal/kg