

42DE Corn Syrup IX

Temp	
40	Heat Cap (BTU/lb•F) = -0.00591(%Solids) + 0.9945
80	Heat Cap (BTU/lb•F) = -0.00565(%Solids) + 1.0088
120	Heat Cap (BTU/lb•F) = -0.00543(%Solids) + 1.0243
160	Heat Cap (BTU/lb•F) = -0.00527(%Solids) + 1.0425
200	Heat Cap (BTU/lb•F) = -0.00494(%Solids) + 1.0537

	Solids							
Temp	10	20	30	40	50	60	70	80
40	0.93540182	0.876341	0.817281	0.75822	0.69916	0.6401	0.581039	0.521979
80	0.95233368	0.895882	0.83943	0.782977	0.726525	0.670073	0.613621	0.557169
120	0.97003785	0.915755	0.861473	0.807191	0.752908	0.698626	0.644343	0.590061
160	0.98984144	0.937153	0.884465	0.831777	0.779089	0.726401	0.673712	0.621024
200	1.00427989	0.954841	0.905401	0.855962	0.806523	0.757083	0.707644	0.658205

Solids	
10	Heat Cap (BTU/lb•F) = 0.000438(°F) + 0.9178
20	Heat Cap (BTU/lb•F) = 0.000496(°F) + 0.8565
30	Heat Cap (BTU/lb•F) = 0.000553(°F) + 0.7952
40	Heat Cap (BTU/lb•F) = 0.000611(°F) + 0.7339
50	Heat Cap (BTU/lb•F) = 0.000668(°F) + 0.6727
60	Heat Cap (BTU/lb•F) = 0.000726(°F) + 0.6114
70	Heat Cap (BTU/lb•F) = 0.000783(°F) + 0.5501
80	Heat Cap (BTU/lb•F) = 0.000841(°F) + 0.4888

	Temp				
Solids	40	80	120	160	200
10	0.93540182	0.952334	0.970038	0.989841	1.00428
20	0.87634138	0.895882	0.915755	0.937153	0.954841
30	0.81728094	0.83943	0.861473	0.884465	0.905401
40	0.7582205	0.782977	0.807191	0.831777	0.855962
50	0.69916006	0.726525	0.752908	0.779089	0.806523
60	0.64009962	0.670073	0.698626	0.726401	0.757083
70	0.58103918	0.613621	0.644343	0.673712	0.707644
80	0.52197874	0.557169	0.590061	0.621024	0.658205