

**42DE Corn Syrup**

Temp	
<b>40</b>	Heat Cap (BTU/lb•F) = -0.00568(%Solids) + 0.9926
<b>80</b>	Heat Cap (BTU/lb•F) = -0.00539(%Solids) + 1.0053
<b>120</b>	Heat Cap (BTU/lb•F) = -0.00529(%Solids) + 1.0127
<b>160</b>	Heat Cap (BTU/lb•F) = -0.00494(%Solids) + 1.0296
<b>200</b>	Heat Cap (BTU/lb•F) = -0.00473(%Solids) + 1.0408

Temp	Solids								
	10	20	30	40	50	60	70	80	
<b>40</b>	0.935824563	0.879001	0.822177	0.765353	0.708529	0.651705	0.594881	0.538057	
<b>80</b>	0.95142136	0.897488	0.843555	0.789622	0.735689	0.681756	0.627823	0.57389	
<b>120</b>	0.959565315	0.906664	0.853763	0.800861	0.74796	0.695058	0.642157	0.589256	
<b>160</b>	0.98015776	0.930731	0.881304	0.831877	0.78245	0.733023	0.683595	0.634168	
<b>200</b>	0.993446246	0.946141	0.898835	0.85153	0.804224	0.756919	0.709613	0.662308	

Solids	
<b>10</b>	Heat Cap (BTU/lb•F) = 0.000360(°F) + 0.9209
<b>20</b>	Heat Cap (BTU/lb•F) = 0.000419(°F) + 0.8617
<b>30</b>	Heat Cap (BTU/lb•F) = 0.000478(°F) + 0.8026
<b>40</b>	Heat Cap (BTU/lb•F) = 0.000537(°F) + 0.7435
<b>50</b>	Heat Cap (BTU/lb•F) = 0.000595(°F) + 0.6843
<b>60</b>	Heat Cap (BTU/lb•F) = 0.000654(°F) + 0.6252
<b>70</b>	Heat Cap (BTU/lb•F) = 0.000713(°F) + 0.5660
<b>80</b>	Heat Cap (BTU/lb•F) = 0.000772(°F) + 0.5069

Solids	Temp				
	40	80	120	160	200
<b>10</b>	0.935824563	0.951421	0.959565	0.980158	0.993446
<b>20</b>	0.879000563	0.897488	0.906664	0.930731	0.946141
<b>30</b>	0.822176563	0.843555	0.853763	0.881304	0.898835
<b>40</b>	0.765352563	0.789622	0.800861	0.831877	0.85153
<b>50</b>	0.708528563	0.735689	0.74796	0.78245	0.804224
<b>60</b>	0.651704563	0.681756	0.695058	0.733023	0.756919
<b>70</b>	0.594880563	0.627823	0.642157	0.683595	0.709613
<b>80</b>	0.538056563	0.57389	0.589256	0.634168	0.662308