

# HUMIDITY INDICATOR TEMPERATURE CORRECTION CHART

Color Change Humidity Indicators have a temperature correction factor. This temperature correction has been calculated to be 2 1/2% RH for each 10° away from 75°F. In other words, should the indicator be read at 55°F there will be a 5% error in the indication of the spot. The spot will appear to be pinker than it should be. At 95°F, the indicator will register a 5% error and will be bluer than the spot would be. The following chart may be used as a guideline for the temperature adjustment factor.

TEMP. INSIDE THE PACKAGE (°C) (°F)	RELATIVE HUMIDITY (%) INDICATED BY HUMIDITY INDICATOR CARD													
	20	25	30	35	40	45	50	55	60	65	70	75	80	
+68.3 155	40	45	50	55	60	65	70	75	80	85	90	95	>95	
+62.8 145	37.5	42.5	47.5	52.5	57.5	62.5	67.5	72.5	77.5	82.5	87.5	92.5	97.5	
+57.2 135	35	40	45	50	55	60	65	70	75	80	85	90	95	
+51.7 125	32.5	37.5	42.5	47.5	52.5	57.5	62.5	67.5	72.5	77.5	82.5	87.5	92.5	
+46.1 115	30	35	40	45	50	55	60	65	70	75	80	85	90	
+40.6 105	27.5	32.5	37.5	42.5	47.5	52.5	57.5	62.5	67.5	72.5	77.5	82.5	87.5	
+35.0 95	25	30	35	40	45	50	55	60	65	70	75	80	85	
+29.4 85	22.5	27.5	32.5	37.5	42.5	47.5	52.5	57.5	62.5	67.5	72.5	77.5	82.5	
+23.9 75	RELATIVE HUMIDITY IDENTICAL WITH INDICATOR CARD													
+18.3 65	17.5	22.5	27.5	32.5	37.5	42.5	47.5	52.5	57.5	62.5	67.5	72.5	77.5	
+12.8 55	15	20	25	30	35	40	45	50	55	60	65	70	75	
+7.2 45	12.5	17.5	22.5	27.5	32.5	37.5	42.5	47.5	52.5	57.5	62.5	67.5	72.5	
+1.7 35	10	15	20	25	30	35	40	45	50	55	60	65	70	
-3.9 25	7.5	12.5	17.5	22.5	27.5	32.5	37.5	42.5	47.5	52.5	57.5	62.5	67.5	
-9.4 15	5	10	15	20	25	30	35	40	45	50	55	60	65	
-15.0 5	2.5	7.5	12.5	17.5	22.5	27.5	32.5	37.5	42.5	47.5	52.5	57.5	62.5	
-20.6 -5	<5	5	10	15	20	25	30	35	40	45	50	55	60	

Table: Corrections for the indicated relative humidity at varying temperature.

Temperatures indicated by the table are valid only for air inside the barrier layer. In order to check RH in a package at any time, we offer observation windows and humidity indicator plugs with indicator elements from 10% to 100% RH

Detailed information, pictures and descriptions of all types of humidity indicator cards, plugs and observation windows are shown in our Humidial Brochure.