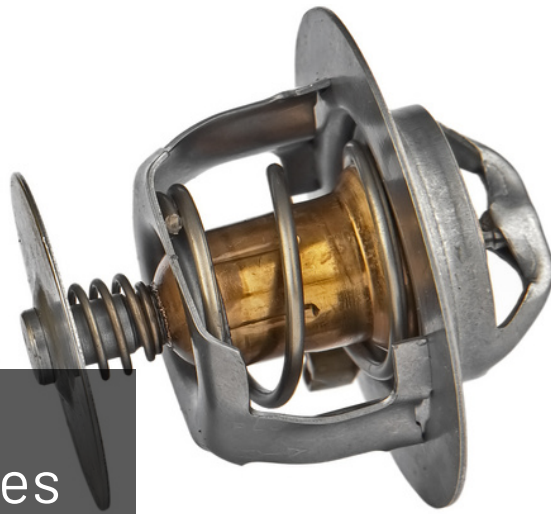


THE INTERNATIONAL GROUP, INC.

## Astorstat<sup>®</sup> Thermostat Waxes



## ENGAGE THE POWER OF INNOVATION

The International Group, Inc. is the world's leading producer of waxes for thermal actuation and thermostatic control devices used in a wide variety of high-performance and precision applications. Astorstat<sup>®</sup> distilled waxes are commonly found in thermostatic controls used in industrial as well as commercial/residential applications. Applications include automobile, marine, and aerospace engines, home heating and cooling systems.

Astorstat<sup>®</sup> wax technology is also utilized in several new applications such as cosmetics, toners for digital printing, and a host of phase change applications, all of which require very precise and narrow melting materials.

Our Astorstat<sup>®</sup> waxes are customized to be uniquely fabricated to meet the exact requirements of each customer and their specific device design and application.

## Features & Benefits

- High quality & consistency
- Chemical inertness & purity
- Durability & longevity
- Narrow melting range





# Astorstat<sup>®</sup> Thermostat Waxes



## Characteristics

Product	Congealing Point (ASTM D938)		Start to Open Point (Astor DST-007)		Terminal Point (Astor DST-007)		Volume of Expansion (Astor DST-007) %	Travel (Astor DST-007)	
	°C	°F	°C	°F	°C	°F		mm	in
	Astorstat <sup>®</sup> HA16	7.8-18.9	64-66	7.8-18.9	64-66	23.4-24.5	74-46	14-18	5.88-6.89
Astorstat <sup>®</sup> HA18	27.2-28.3	81-83	27.2-28.3	81-83	32.8-33.9	91-93	14-18	5.88-6.89	.23-.70
Astorstat <sup>®</sup> HA20	36.7-37.8	98-100	36.7-37.8	98-100	42.3-43.4	108-110	16-20	6.37-7.4	.250-.290
Astorstat <sup>®</sup> 60	65.5-66.5	150-151.7	59.4-60.6	139-141	70.6-71.7	159-161	9-11	4.95-5.33	.195-.198
Astorstat <sup>®</sup> 75	80.1-81.2	176-178	74.5-75.6	166-168	85.6-86.7	186-188	14-16	5.88-6.37	.230-.250
Astorstat <sup>®</sup> 80	85.1-86.2	185-187	79.5-80.5	175-177	90.6-91.7	195-197	14-16	5.88-6.37	.230-.250
Astorstat <sup>®</sup> 90	95.1-96.2	203-205	89.5-90.6	193-195	100.6-101.7	213-215	14-16	5.88-6.37	.230-.250
Astorstat <sup>®</sup> 95	100-101.2	212-214	89-90.1	192-194	105.6-106.8	222-224	14-16	5.88-6.37	.230-.250
Astorstat <sup>®</sup> 100	105.1-106.2	221-223	98.4-100	209-212	114.5-116.2	238-241	14-16	5.88-6.37	.230-.250
Astorstat <sup>®</sup> 105	109-110.6	228-231	104-105.6	219-222	125.7-127.9	258-262	15-17	6.13-6.63	.240-.260
Astorstat <sup>®</sup> 110	124-129.5	255-265	107.3-112.9	225-235	126.8-132.2	260-270	16-18	6.37-6.89	.250-.270

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