

## Dow Corning 340 Heat Sink Compound

Category : Other Engineering Material , Additive/Filler for Polymer

**Material Notes:**

White, non-flowing, highly filled compound, good thermal conductivity. Information provided by Dow Corning

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Dow-Corning-340-Heat-Sink-Compound.php](http://www.lookpolymers.com/polymer_Dow-Corning-340-Heat-Sink-Compound.php)

Physical Properties	Metric	English	Comments
Specific Gravity	2.10 g/cc	2.10 g/cc	
	@Temperature 25.0 °C	@Temperature 77.0 °F	

Mechanical Properties	Metric	English	Comments
Penetration P(0), 1/10 mm	275	275	Worked
	300	300	Unworked

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.550 W/m-K	3.82 BTU-in/hr-ft <sup>2</sup> -°F	
Maximum Service Temperature, Air	200 °C	392 °F	
Minimum Service Temperature, Air	-45.0 °C	-49.0 °F	
Dropping Point	300 °C	572 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	2.00e+15 ohm-cm	2.00e+15 ohm-cm	
Dielectric Constant	5.0	5.0	
	@Frequency 100 Hz	@Frequency 100 Hz	
Dielectric Strength	5.0	5.0	
	@Frequency 100000 Hz	@Frequency 100000 Hz	
Dissipation Factor	8.27 kV/mm	210 kV/in	
	0.010	0.010	
Arc Resistance	@Frequency 100 Hz	@Frequency 100 Hz	
	0.020	0.020	
	@Frequency 100000 Hz	@Frequency 100000 Hz	
	165 sec	165 sec	

Electrical Properties	Metric	English	Comments
Processing Properties	Metric	English	Comments
Shelf Life	60.0 Month	60.0 Month	

Descriptive Properties	Value	Comments
Color	White	
Hydrophobic	Yes	
Nonflowable	Yes	
Thickening System	Metal Oxide	
Water Resistant	Yes	

## Contact Songhan Plastic Technology Co.,Ltd.

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