



# KennTherm 7185

## Thermal Compound

**KennTherm 7185** Thermal Compound is a non-silicone grease and metal grease with very low thermal impedance and long-term stability. The proprietary- formulated thermal compound with appropriate viscosity and good consistency can be spread easily and evenly. It can be stored in room temperature without special treatment.

**KennTherm 7185** serves as an effective thermal interface material for heat sink devices where efficient cooling as well as long-term stability is required.

### Features

- Excellent performance
- Excellent long-term stability
- Non-corrosive
- No special requirements for storage
- Easy to apply and less to use
- No “burn-in” time required
- Low dry-out
- Not electrically conductive



### Specifications

Properties		Test Methods	Units	Typical value
Color				Gray
Consistency		ASTM D217		170
Specific Gravity		ASTM D1475	g/cm <sup>3</sup>	2.5
Viscosity		BrookField CVE #7 @12RPM	Cps	300K~500K
Thermal Properties				
Thermal Conductivity		ASTM D5470	W/m-K	3.5
Thermal Impedance		ASTM D5470	K-in <sup>2</sup> /W	0.013~0.023
Dry-Out test		240 Hours at 363K	Weight%	0.03
Electrical Properties				
Dielectric constant	298K@1000 Hz	ASTM D-150		4.67
	298K@100K Hz	ASTM D-150		2.84
Dissipation factor	298K@1000 Hz	ASTM D-150		0.43
	298K@100K Hz	ASTM D-150		0.15
Dielectric Strength		ASTM D-149	kV/mm	1.5



**Kenner Material & System Co., Ltd.**