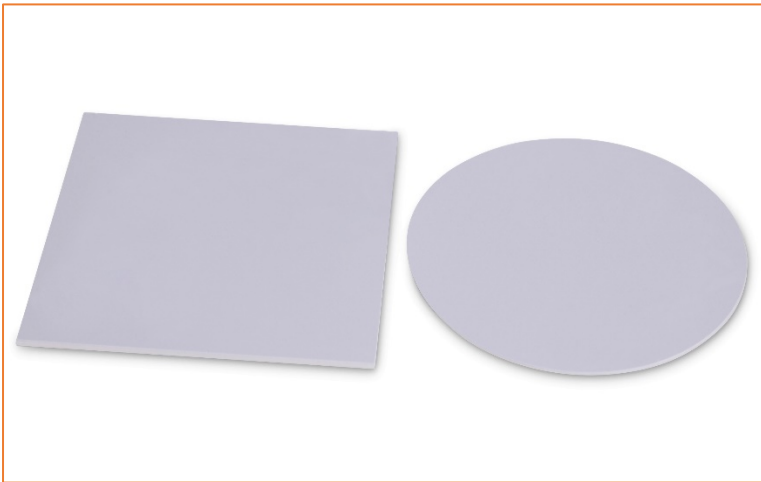


# H48-6G

## Thermal Conductive Pad



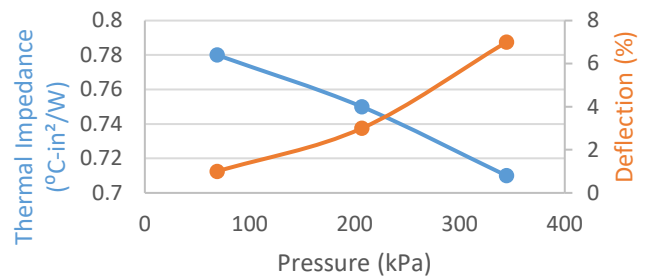
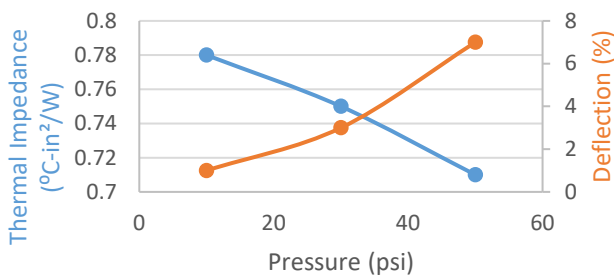
### Features

- Good thermal conductivity
- Ultra-soft and high compressibility
- Natural tack
- Easy to assemble
- Good insulator
- Shock and vibration absorber

### Applications

- Electronic components: IC – CPU – MOS
- LED - M/B – P/S – Heat Sink
- LCD – TV – Notebook PC – PC Telecom Device – Wireless Hub... etc.
- DDR II Module – DVD Applications – Hand-set applications... etc.

### Thermal Impedance Vs Pressure Vs Deflection



### Properties

- REACH Compliant
- ROSH Compliant

Property	H48-6G	Unit	Tolerance	Test Method
Color	Grey	-	-	Visual
Thickness (Available thickness range)	0.3 - 5.0	mm	-	ASTM D374
	0.0118 - 0.1969	inch	-	ASTM D374
Thermal Conductivity	6	W/mK	±0.6	ASTM D5470
Flammability Rating	V-0	-	-	UL 94
Dielectric Breakdown Voltage	13	kV/mm	±0.13	ASTM D149
Weight Loss	<1	%	-	ASTM E595
Specific Gravity	3.09	g/cm <sup>3</sup>	±0.2	ASTM D792
Working Temperature	-40 to 200	°C	-	-
Volume Resistance	>10 <sup>12</sup>	Ohm-cm	-	ASTM D257
Elongation	60	%	±13	ASTM D412
Tensile Strength	6	Kgf/cm <sup>2</sup>	±2	ASTM D412
Hardness	35	Shore A	±3.5	ASTM D2240

## Part Number

H48-6G-120-120-1-1A				
Product	Length	Width	Thickness	Adhesive
H48-6G	120	120	1	1A
H48-6G product	Length of 120 mm	Width of 120 mm	Thickness of 1 mm	1 side adhesive

H48-6G-120-120-1				
Product	Length	Width	Thickness	Adhesive
H48-6G	120	120	1	-
H48-6G product	Length of 120 mm	Width of 120 mm	Thickness of 1 mm	No adhesive

\*All measurements in mm

## Standard Weights

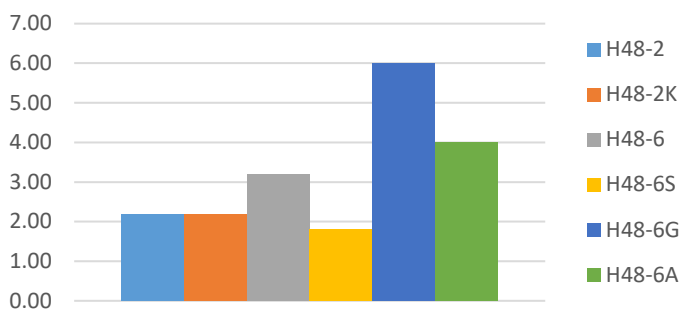
Thickness	0.50	0.80	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	
Size	100x100	15.45	24.72	30.90	46.35	61.80	77.25	92.70	108.15	123.60	139.05	154.50
	150x150	34.76	55.62	69.53	104.29	139.05	173.81	208.58	243.34	278.10	312.86	347.63
	300x300	139.05	222.48	278.10	417.15	556.20	695.25	834.30	973.35	1112.40	1251.45	1390.50
	320x320	158.21	253.13	316.42	474.62	632.83	791.04	949.25	1107.46	1265.66	1423.87	1582.08

\* All weights are in gr

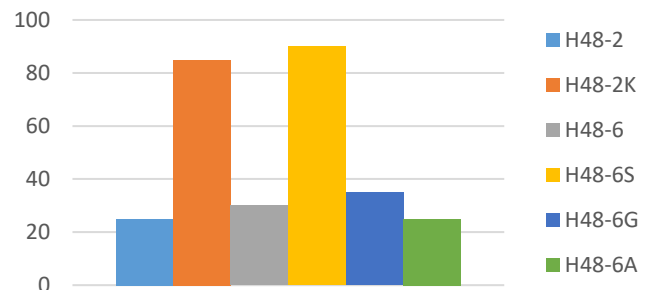
\*\* All sizes are in mm

## Data

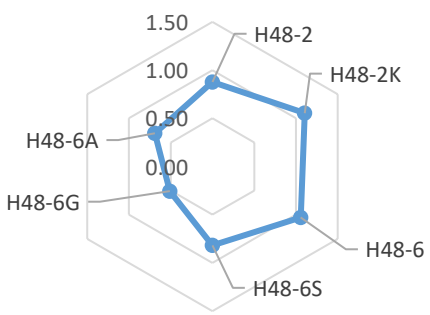
### Thermal Conductivity ( W / mK)



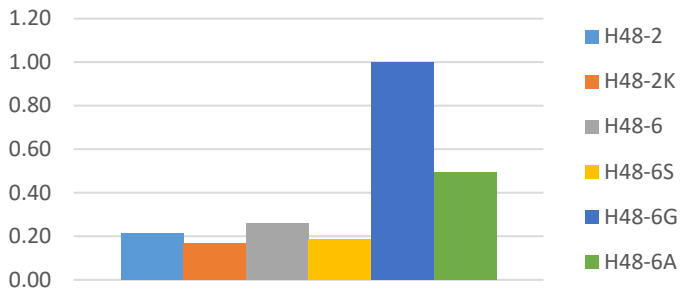
### Hardness (Shore A)



### Thermal Conductivity / Pricing



### Pricing / Pricing H48-6G



**\*Data for design engineer guidance only.** Observed performance varies in application. Engineers are reminded to test the material in application.



Digi-Key Part Number	T-Global Part Number	Description	Material	Adhesive	Backing, Carrier	Color	Thermal Conductivity
1168-1678-ND	H48-6G-20-20-2.6-1A	H48-6G 20X20X2.6MM W/ADH	Silicone Elastomer	Adhesive - One Side	-	Grey	6.0 W/m-K
1168-1677-ND	H48-6G-20-20-4-1A	H48-6G 20X20X4MM W/ADH	Silicone Elastomer	Adhesive - One Side	-	Grey	6.0 W/m-K
1168-1941-ND	H48-6G-300-300-0.3-1A	H48-6 SHEET 300X300X.3MM W/ADH	Silicone Elastomer	Adhesive - One Side	-	Grey	6.0 W/m-K
1168-1312-ND	H48-6G-150-150-5.0-0	H48-6 SHEET 150X150X5MM	Silicone Elastomer	-	-	Grey	6.0 W/m-K
1168-1661-ND	H48-6G-7.2-4.8-3	THERMAL PAD H48-6G 7.2X4.8X3MM	Silicone Elastomer	-	-	Grey	6.0 W/m-K
1168-1817-ND	DC0019/02-H48-6G-0.3-2A	H48-6G RECT 0.3MM W/ADH	Silicone Elastomer	Adhesive - Both Sides	-	Grey	6.0 W/m-K
1168-1820-ND	DC0019/03-H48-6G-0.3-2A	H48-6G RECT 0.3MM W/ADH	Silicone Elastomer	Adhesive - Both Sides	-	Grey	6.0 W/m-K
1168-1835-ND	DC0024/01-H48-6G-0.3-2A	H48-6G TO-3 6LEAD 0.3MM W/ADH	Silicone Elastomer	Adhesive - Both Sides	-	Grey	6.0 W/m-K
1168-1775-ND	DC0001/01-H48-6G-0.3-2A	H48-6G TO-3 0.3MM W/ADH	Silicone Elastomer	Adhesive - Both Sides	-	Grey	6.0 W/m-K
1168-1295-ND	H48-6G-150-150-1.0-1A	H48-6 SHEET 150X150X1MM W/ADH	Silicone Elastomer	Adhesive - One Side	-	Grey	6.0 W/m-K
1168-1301-ND	H48-6G-150-150-2.0-1A	H48-6 SHEET 150X150X2MM W/ADH	Silicone Elastomer	Adhesive - One Side	-	Grey	6.0 W/m-K
1168-1802-ND	DC0011/08-H48-6G-0.3-2A	H48-6G TO-220 0.3MM W/ADH	Silicone Elastomer	Adhesive - Both Sides	-	Grey	6.0 W/m-K
1168-1679-ND	H48-6G-50-10-0.8-1A	H48-6G 50X10X0.8MM W/ADH	Silicone Elastomer	Adhesive - One Side	-	Grey	6.0 W/m-K
1168-1672-ND	H48-6G-20-20-2.5	THERMAL PAD H48-6G 20X20X2.5MM	Silicone Elastomer	-	-	Grey	6.0 W/m-K
1168-1289-ND	H48-6G-150-150-0.5-1A	H48-6 SHEET 150X150X0.5MM W/ADH	Silicone Elastomer	Adhesive - One Side	-	Grey	6.0 W/m-K
1168-1735-ND	H48-6G-150-150-0.5-2A	H48-6G SHEET 150X150X0.5MM W/ADH	Silicone Elastomer	Adhesive - Both Sides	-	Grey	6.0 W/m-K
1168-1294-ND	H48-6G-150-150-1.0-0	H48-6 SHEET 150X150X1MM	Silicone Elastomer	-	-	Grey	6.0 W/m-K
1168-1940-ND	H48-6G-300-300-0.3	H48-6 SHEET 300X300X.3MM	Silicone Elastomer	-	-	Grey	6.0 W/m-K
1168-1313-ND	H48-6G-150-150-5.0-1A	H48-6 SHEET 150X150X5MM W/ADH	Silicone Elastomer	Adhesive - One Side	-	Grey	6.0 W/m-K
1168-1736-ND	H48-6G-320-320-0.5-2A	H48-6G SHEET 320X320X0.5MM W/ADH	Silicone Elastomer	Adhesive - Both Sides	-	Grey	6.0 W/m-K
1168-1293-ND	H48-6G-640-320-0.5-1A	H48-6 SHEET 640X320X0.5MM W/ADH	Silicone Elastomer	Adhesive - One Side	-	Grey	6.0 W/m-K
1168-1799-ND	DC0011/07-H48-6G-0.3-2A	H48-6G TO-220 0.3MM W/ADH	Silicone Elastomer	Adhesive - Both Sides	-	Grey	6.0 W/m-K
1168-1808-ND	DC0011/10-H48-6G-0.3-2A	H48-6G TO-220 0.3MM W/ADH	Silicone Elastomer	Adhesive - Both Sides	-	Grey	6.0 W/m-K
1168-1796-ND	DC0011/06-H48-6G-0.3-2A	H48-6G TO-220 0.3MM W/ADH	Silicone Elastomer	Adhesive - Both Sides	-	Grey	6.0 W/m-K
1168-1805-ND	DC0011/09-H48-6G-0.3-2A	H48-6G TO-220 0.3MM W/ADH	Silicone Elastomer	Adhesive - Both Sides	-	Grey	6.0 W/m-K
1168-1793-ND	DC0011/05-H48-6G-0.3-2A	H48-6G TO-220 0.3MM W/ADH	Silicone Elastomer	Adhesive - Both Sides	-	Grey	6.0 W/m-K
1168-1811-ND	DC0011/15-H48-6G-0.3-2A	H48-6G TO-220 0.3MM W/ADH	Silicone Elastomer	Adhesive - Both Sides	-	Grey	6.0 W/m-K
1168-1814-ND	DC0019/01-H48-6G-0.3-2A	H48-6G RECT 0.3MM W/ADH	Silicone Elastomer	Adhesive - Both Sides	-	Grey	6.0 W/m-K
1168-1829-ND	DC0022/02-H48-6G-0.3-2A	H48-6G POWER MOD 0.3MM W/ADH	Silicone Elastomer	Adhesive - Both Sides	-	Grey	6.0 W/m-K
1168-1832-ND	DC0022/03-H48-6G-0.3-2A	H48-6G POWER MOD 0.3MM W/ADH	Silicone Elastomer	Adhesive - Both Sides	-	Grey	6.0 W/m-K
1168-1823-ND	DC0021/01-H48-6G-0.3-2A	H48-6G POWER MOD 0.3MM W/ADH	Silicone Elastomer	Adhesive - Both Sides	-	Grey	6.0 W/m-K
1168-1300-ND	H48-6G-150-150-2.0-0	H48-6 SHEET 150X150X2MM	Silicone Elastomer	-	-	Grey	6.0 W/m-K
1168-1306-ND	H48-6G-150-150-3.0-0	H48-6 SHEET 150X150X3MM	Silicone Elastomer	-	-	Grey	6.0 W/m-K
1168-1290-ND	H48-6G-320-320-0.5-0	H48-6 SHEET 320X320X0.5MM	Silicone Elastomer	-	-	Grey	6.0 W/m-K
1168-1297-ND	H48-6G-320-320-1.0-1A	H48-6 SHEET 320X320X1MM W/ADH	Silicone Elastomer	Adhesive - One Side	-	Grey	6.0 W/m-K
1168-1296-ND	H48-6G-320-320-1.0-0	H48-6 SHEET 320X320X1MM	Silicone Elastomer	-	-	Grey	6.0 W/m-K
1168-1292-ND	H48-6G-640-320-0.5-0	H48-6 SHEET 640X320X0.5MM	Silicone Elastomer	-	-	Grey	6.0 W/m-K
1168-1303-ND	H48-6G-320-320-2.0-1A	H48-6 SHEET 320X320X2MM W/ADH	Silicone Elastomer	Adhesive - One Side	-	Grey	6.0 W/m-K
1168-1299-ND	H48-6G-640-320-1.0-1A	H48-6 SHEET 640X320X1MM W/ADH	Silicone Elastomer	Adhesive - One Side	-	Grey	6.0 W/m-K
1168-2067-ND	H48-6G-300-300-3.0-1A	H48-6 SHEET 300X300X3MM W/ADH	Silicone Elastomer	Adhesive - One Side	-	Grey	6.0 W/m-K
1168-1305-ND	H48-6G-640-320-2.0-1A	H48-6 SHEET 640X320X2MM W/ADH	Silicone Elastomer	Adhesive - One Side	-	Grey	6.0 W/m-K
1168-1315-ND	H48-6G-320-320-5.0-1A	H48-6 SHEET 320X320X5MM W/ADH	Silicone Elastomer	Adhesive - One Side	-	Grey	6.0 W/m-K
1168-1316-ND	H48-6G-640-320-5.0-0	H48-6 SHEET 640X320X5MM	Silicone Elastomer	-	-	Grey	6.0 W/m-K
1168-1302-ND	H48-6G-320-320-2.0-0	H48-6 SHEET 320X320X2MM	Silicone Elastomer	-	-	Grey	6.0 W/m-K
1168-1298-ND	H48-6G-640-320-1.0-0	H48-6 SHEET 640X320X1MM	Silicone Elastomer	-	-	Grey	6.0 W/m-K
1168-1676-ND	H48-6G-280-220-3	THERMAL PAD H48-6G 280X220X3MM	Silicone Elastomer	-	-	Grey	6.0 W/m-K
1168-1310-ND	H48-6G-640-320-3.0-0	H48-6 SHEET 640X320X3MM	Silicone Elastomer	-	-	Grey	6.0 W/m-K
1168-1311-ND	H48-6G-640-320-3.0-1A	H48-6 SHEET 640X320X3MM W/ADH	Silicone Elastomer	Adhesive - One Side	-	Grey	6.0 W/m-K
1168-1307-ND	H48-6G-150-150-3.0-1A	H48-6 SHEET 150X150X3MM W/ADH	Silicone Elastomer	Adhesive - One Side	-	Grey	6.0 W/m-K
1168-1838-ND	DC0025/01-H48-6G-0.3-2A	H48-6G SIP 0.3MM W/ADH	Silicone Elastomer	Adhesive - Both Sides	-	Grey	6.0 W/m-K
1168-1826-ND	DC0022/01-H48-6G-0.3-2A	H48-6G POWER MOD 0.3MM W/ADH	Silicone Elastomer	Adhesive - Both Sides	-	Grey	6.0 W/m-K
1168-1288-ND	H48-6G-150-150-0.5-0	H48-6 SHEET 150X150X0.5MM	Silicone Elastomer	-	-	Grey	6.0 W/m-K
1168-1291-ND	H48-6G-320-320-0.5-1A	H48-6 SHEET 320X320X0.5MM W/ADH	Silicone Elastomer	Adhesive - One Side	-	Grey	6.0 W/m-K
1168-1304-ND	H48-6G-640-320-2.0-0	H48-6 SHEET 640X320X2MM	Silicone Elastomer	-	-	Grey	6.0 W/m-K
1168-1778-ND	DC0001/05-H48-6G-0.3-2A	H48-6G TO-3 0.3MM W/ADH	Silicone Elastomer	Adhesive - Both Sides	-	Grey	6.0 W/m-K
1168-1308-ND	H48-6G-320-320-3.0-0	H48-6 SHEET 320X320X3MM	Silicone Elastomer	-	-	Grey	6.0 W/m-K
1168-1309-ND	H48-6G-320-320-3.0-1A	H48-6 SHEET 320X320X3MM W/ADH	Silicone Elastomer	Adhesive - One Side	-	Grey	6.0 W/m-K
1168-1317-ND	H48-6G-640-320-5.0-1A	H48-6 SHEET 640X320X5MM W/ADH	Silicone Elastomer	Adhesive - One Side	-	Grey	6.0 W/m-K
1168-1790-ND	DC0003/02-H48-6G-0.3-2A	H48-6G TO-3 4LEAD 0.3MM W/ADH	Silicone Elastomer	Adhesive - Both Sides	-	Grey	6.0 W/m-K
1168-1781-ND	DC0001/06-H48-6G-0.3-2A	H48-6G TO-3 0.3MM W/ADH	Silicone Elastomer	Adhesive - Both Sides	-	Grey	6.0 W/m-K
1168-1784-ND	DC0001/08-H48-6G-0.3-2A	H48-6G TO-3 0.3MM W/ADH	Silicone Elastomer	Adhesive - Both Sides	-	Grey	6.0 W/m-K
1168-1787-ND	DC0001/14-H48-6G-0.3-2A	H48-6G TO-3 0.3MM W/ADH	Silicone Elastomer	Adhesive - Both Sides	-	Grey	6.0 W/m-K
H48-6G-100-100-0.5-0-ND	H48-6G-100-100-0.5-0	H48-6 SHEET 100X100X0.5MM	Silicone Elastomer	-	-	Grey	6.0 W/m-K
H48-6G-100-100-0.5-1A-ND	H48-6G-100-100-0.5-1A	H48-6 SHEET 100X100X0.5MM W/ADH	Silicone Elastomer	Adhesive - One Side	-	Grey	6.0 W/m-K
H48-6G-100-100-1-ND	H48-6G-100-100-1	H48-6G 100X100X1MM	Silicone Elastomer	-	-	Grey	6.0 W/m-K
H48-6G-100-100-1.0-0-ND	H48-6G-100-100-1.0-0	H48-6 SHEET 100X100X1MM	Silicone Elastomer	-	-	Grey	6.0 W/m-K
H48-6G-100-100-1.0-1A-ND	H48-6G-100-100-1.0-1A	H48-6 SHEET 100X100X1MM W/ADH	Silicone Elastomer	Adhesive - One Side	-	Grey	6.0 W/m-K
H48-6G-100-100-2.0-0-ND	H48-6G-100-100-2.0-0	H48-6 SHEET 100X100X2MM	Silicone Elastomer	-	-	Grey	6.0 W/m-K
H48-6G-100-100-2.0-1A-ND	H48-6G-100-100-2.0-1A	H48-6 SHEET 100X100X2MM W/ADH	Silicone Elastomer	Adhesive - One Side	-	Grey	6.0 W/m-K
H48-6G-100-100-3-ND	H48-6G-100-100-3	H48-6G 100X100X3MM	Silicone Elastomer	-	-	Grey	6.0 W/m-K
H48-6G-100-100-3.0-0-ND	H48-6G-100-100-3.0-0	H48-6 SHEET 100X100X3MM	Silicone Elastomer	-	-	Grey	6.0 W/m-K
H48-6G-100-100-3.0-1A-ND	H48-6G-100-100-3.0-1A	H48-6 SHEET 100X100X3MM W/ADH	Silicone Elastomer	Adhesive - One Side	-	Grey	6.0 W/m-K
H48-6G-100-100-5.0-0-ND	H48-6G-100-100-5.0-0	H48-6 SHEET 100X100X5MM	Silicone Elastomer	-	-	Grey	6.0 W/m-K
H48-6G-100-100-5.0-1A-ND	H48-6G-100-100-5.0-1A	H48-6 SHEET 100X100X5MM W/ADH	Silicone Elastomer	Adhesive - One Side	-	Grey	6.0 W/m-K
H48-6G-200-200-0.3-1A-ND	H48-6G-200-200-0.3-1A	H48-6G 200X200X0.3MM W/ADH	Silicone Elastomer	Adhesive - One Side	-	Grey	6.0 W/m-K
H48-6G-100-100-6-ND	H48-6G-100-100-6	H48-6G 100X100X6MM	Silicone Elastomer	-	-	Grey	6.0 W/m-K
H48-6G-240-200-1-1A-ND	H48-6G-240-200-1-1A	H48-6G 240X200X1MM W/ADH	Silicone Elastomer	Adhesive - One Side	-	Grey	6.0 W/m-K
H48-6G-225-175-1-1A-ND	H48-6G-225-175-1-1A	H48-6G 225X175X1MM W/ADH	Silicone Elastomer	Adhesive - One Side	-	Grey	6.0 W/m-K
H48-6G-265-205-1-1A-ND	H48-6G 265X205X1MM W/ADH	H48-6G 265X205X1MM W/ADH	Silicone Elastomer	Adhesive - One Side	-	Grey	6.0 W/m-K
H48-6G-305-200-1.0-ND	H48-6G-305-200-1.0	H48-6G 305X200X1MM W/ADH	Silicone Elastomer	-	-	Grey	6.0 W/m-K
H48-6G-300-300-0.5-0-ND	H48-6G-300-300-0.5-0	H48-6 SHEET 300X300X0.5MM	Silicone Elastomer	-	-	Grey	6.0 W/m-K
H48-6G-300-300-0.5-1A-ND	H48-6G-300-300-0.5-1A	H48-6 SHEET 300X300X0.5MM W/ADH	Silicone Elastomer	Adhesive - One Side	-	Grey	6.0 W/m-K
H48-6G-300-300-1.0-0-ND	H48-6G-300-300-1.0-0	H48-6 SHEET 300X300X1MM	Silicone Elastomer	-	-	Grey	6.0 W/m-K
H48-6G-300-300-1.0-1A-ND	H48-6G-300-300-1.0-1A	H48-6 SHEET 300X300X1MM W/ADH	Silicone Elastomer	Adhesive - One Side	-	Grey	6.0 W/m-K
H48-6G-300-300-2.0-0-ND	H48-6G-300-300-2.0-0	H48-6 SHEET 300X300X2MM	Silicone Elastomer	-	-	Grey	6.0 W/m-K
H48-6G-300-300-2.0-1A-ND	H48-6G-300-300-2.0-1A	H48-6 SHEET 300X300X2MM W/ADH	Silicone Elastomer	Adhesive - One Side	-	Grey	6.0 W/m-K
H48-6G-300-300-3.0-0-ND	H48-6G-300-300-3.0-0	H48-6 SHEET 300X300X3MM	Silicone Elastomer	-	-	Grey	6.0 W/m-K
H48-6G-300-300-5.0-0-ND	H48-6G-300-300-5.0-0	H48-6 SHEET 300X300X5MM	Silicone Elastomer	-	-	Grey	6.0 W/m-K
H48-6G-300-300-5.0-1A-ND	H48-6G-300-300-5.0-1A	H48-6 SHEET 300X300X5MM W/ADH	Silicone Elastomer	Adhesive - One Side	-	Grey	6.0 W/m-K
1168-1314-ND	H48-6G-320-320-5.0-0	H48-6 SHEET 320X320X5MM	Silicone Elastomer	-	-	Grey	6.0 W/m-K



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