

# MAXFLEX HT

HIGH TEMPERATURE RESISTANT ELASTOMERIC THERMAL INSULATION

The Perfect Insulation for  
Outdoor Installation with  
High Temperature Fluid

- ◆ INDUSTRIAL PLANTS
- ◆ HEATING PLANTS
- ◆ SOLAR ENERGY PANELS
- ◆ Service temperature up to 180°C
- ◆ Weather, UV-Ray and Ozone resistance



ELASTOMERIC  
thermal insulation





[www.maxflexinsulation.com](http://www.maxflexinsulation.com)



## VANDAPAC

Established in 1988, Vandapac Co., Ltd. is a world class manufacturer for OMD and quality products in 3 main groups:

- Disposable Packaging
- Automotive Accessories
- Thermal Insulation

VANDAPAC's Insulation Division is premier manufacturer of closed cell elastomeric thermal insulation. A Product developed from ethylene propylene diene monomer synthetic rubbers research. Produced by using a specially designed manufacturing technique.

Universal confidence in the international standard and quality of our thermal insulation products is reflected by the fact that we export MAXFLEX all over the world.

### VANDAPAC Co., Ltd.

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## MAXFLEX HT SPECIFICATIONS

PHYSICAL PROPERTIES*	MAXFLEX HT	TEST METHOD*	INSTITUTE										
Material	EPDM blend with additive												
Cell Structure	Complete closed cell	-											
Density lbs / ft <sup>3</sup> (g / cm <sup>3</sup> )	3 ~ 5 (0.048 ~ 0.080) **	ASTM D 1667	PSB corp.										
Thermal Conductivity BTU.in / ft <sup>2</sup> hr. °F ( W / mK )	<table border="1"> <tr> <td>-4°F (-20 °C)</td> <td>32 °F (0 °C)</td> <td>75 °F (24 °C)</td> <td>90 °F (32 °C)</td> <td>104 °F (40 °C)</td> </tr> <tr> <td>0.22 0.031</td> <td>0.23 0.033</td> <td>0.25 0.036</td> <td>0.26 0.037</td> <td>0.27 0.038</td> </tr> </table>	-4°F (-20 °C)	32 °F (0 °C)	75 °F (24 °C)	90 °F (32 °C)	104 °F (40 °C)	0.22 0.031	0.23 0.033	0.25 0.036	0.26 0.037	0.27 0.038	ASTM C177 JIS A 1412 DIN 52613	FIW Munchen
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0.22 0.031	0.23 0.033	0.25 0.036	0.26 0.037	0.27 0.038									
Service Temperature	up to 150 °C operating continuous up to 180 °C operating intermitant	MAXFLEX becomes hard at -57 °C but can be used even at -200 °C											
Water Vapor Permeability (kg / Pa.s.m)	0.10 perm-in (0.15 x 10 <sup>-12</sup> )	ASTM C 355 ASTM E96	PSB corp.										
Moisture Resistance ( μ Value)	μ not less than 10,000	DIN 52615	PSB corp.										
Water Absorption ( weight % )	not more than 3%	ASTM D 1056	PSB corp.										
Ozone Resistance	Non crack	ASTM D 1171	PSB corp.										
Ageing Resistance at 160 °C, 150 hrs.	Non crack	ASTM C 537	Cerisie, Italy										
Ultra-Violet Resistance	Non crack	ISO 4892-2	Cerisie, Italy										
Heat Stability (% shrinkage) at 200 °F and 220 °F for 7 days	3.5 and 4.5 respectively	ASTM C 534	PSB corp.										
Flammability	Class VO	UL - 94	PSB corp.										
	Self-extinguishing	ASTM D635	PSB corp.										
	Class 1	BS 476 Part 7-1987	PSB corp.										
	Class 0	BS 476 Part 6-1987	PSB corp.										
	Class M1	AFNOR NF P92 501	CREPIM										
Nitrosamine Contents	No detected	BS EN 12868	PSB corp.										
Fungus Resistance	Passed	ASTM G21	PSB corp.										
Noise Reduction	36.3 db	DIN 52219	IBP, German										
Flexibility	Excellent												

NOTE: \* Figures show the average values obtained by the world well-known testing institutes.

\*\* Average density of insulation thickness over 20 mm.

