

## Products

Industrial Insulation									
Product	Nominal Thickness*		Thermal Conductivity		Density*		Max Use Temperature		Typical Applications
	mm	in	mW/ m-K	Btu-in/ hr-ft <sup>2</sup> -°F	g/cc	lb/ft <sup>3</sup>	°C	°F	
<b>Cryogel Z</b>	5.0 10.0	0.20 0.40	15.0	0.104	0.13	8.0	90	194	Sub-ambient and cryogenic pipelines, vessels, and equipment.
<b>Pyrogel XT</b>	5.0 10.0	0.20 0.40	21.0	0.146	0.18	11.0	650	1200	Medium-to-high pressure steam pipes, vessels and equipment; aerospace & defense applications; fire barriers; welding blankets.
<b>Pyrogel XTF</b> (Fire Protection)	5.0 10.0	0.20 0.40	21.0	0.146	0.18	11.0	650	1200	
<b>Pyrogel 2250</b>	2.0	0.08	15.5	0.107	0.17	10.7	250	480	
<b>Spaceloft Subsea</b>	5.0	0.20	13.9	0.096	0.13	8.0	200	390	Thermal insulation for pipe in pipe (PIP) applications in the major offshore sectors.

Building & Construction Insulation									
Product	Nominal Thickness*		Thermal Conductivity		Density*		Max Use Temperature		Typical Applications
	mm	in	mW/ m-K	Btu-in/ hr-ft <sup>2</sup> -°F	g/cc	lb/ft <sup>3</sup>	°C	°F	
<b>Spaceloft</b>	5.0 10.0	0.20 0.40	14.0	0.097	0.15	9.4	200	390	Interior and exterior walls, floors, and roofs.

\* Nominal Values

Information presented herein is typical and representative of material performance. Any and all warranties, either expressed or implied, are disclaimed. All products or materials supplied, including any recommendations or suggestions must be evaluated by the user to determine applicability and suitability for a particular use. Values should not be used directly for specification purposes. Aspen Aerogels, Inc. does not assume any liability for use or misuse of any products produced or supplied.

Surface coated materials are available upon request.

Information presented herein is typical and representative of material performance. Any and all warranties, either expressed or implied, are disclaimed. All products or materials supplied, including any recommendations or suggestions must be evaluated by the user to determine applicability and suitability for a particular use. Values should not be used directly for specification purposes. Aspen Aerogels, Inc. does not assume any liability for use or misuse of any products produced or supplied. This information replaces all previous information. As a result of the constant development of our products, we reserve the right to make alterations to this information without notice.