



monolux pipe supports

Monolux Pipe Supports are load bearing and thermally insulating segments that are used to prevent heat loss on gas, water, steam and oil pipes.

The **Monolux** segments encase the pipe and are fitted into suspended stainless steel straps or “shoes” which in turn mechanically supports the pipe work.

As well as reducing the environmental impact of energy consumption **Monolux Pipe Supports** are a bespoke engineering solution for any pipe diameter.

- Monolux 500 and 800 is mechanically stronger than low density calcium silicates and exhibits excellent resistance to thermal shock.
- Because of its strength and low thermal conductivity, Monolux pipe supports are the preferred material for applications on high temperature piping and equipment in the Petrochem, Nuclear and Powergen sectors.
- Excellent profile definition means accurate tolerances can be achieved, ensuring quick and easy installation.
- Prior to shipping IMS Pipe Supports are coated and heat treated to ensure the material is moisture resistant and dust free.

TYPICAL PRODUCT PERFORMANCE

		MONOLUX 500®	MONOLUX 800®	
Mechanical Properties				
Bulk Density	Kg/m ³	770	950	
Flexural Strength	MPa	7.0	10.0	
Compressive Strength				
	at 5% compaction	MPa	11.5	22.9
	at 10% compaction	MPa	13.4	27.2
Thermal Properties				
Maximum Service Temperature	°C	500	800	
Thermal Conductivity				
at 25°C	W/mK	0.18	0.35	
at 200°C	W/mK	0.19	0.30	
at 500°C	W/mK	0.20	0.31	
at 800°C	W/mK	-	0.33	
Shrinkage (500°C for 4 hrs)				
Linear	%	0.29	-	
Thickness	%	0.68	-	
Shrinkage (800°C for 4 hrs)				
Linear	%	-	0.4	
Thickness	%	-	2.0	

