Silicone Membrane Sheets For Thermoforming And Woodworking



Silicone membranes are thin, flexible transparent sheets made of quality silicone rubber. They are used for vacuum forming solid surfaces, thermoplastics and similar composite materials. Thanks to their high temperature resistance and elasticity, **DH2211** has proven suitable for woodworking and thermoforming applications.

Our silicone membranes have built a good reputation worldwide for their high elasticity and durability. The silicone membrane is versatile due to its ability to withstand high and low extremes with its broad working temperature range. Unlike natural rubber membranes, our silicone rubber membranes are available in different durometers, as well as smooth or textured surfaces, ensuring that each customer can find the correct silicone membrane for their veneer pressing, wood bending, and composite materials lamination application.
Building on its success, Deer Hunter continues to research and develop thermoforming silicone plates specific to the various industries they serve.

Applications

• Vacuum presses and laminators with high temperature resistance upto 250°C. Membrane presses with negative positive pressure.
• Laminating of veneer, leather and paper. PVC film foiling. Production of bent glued furniture parts.
• Thermoforming solid surface materials (Corian/Staron/Hi Macs/Hanex/Kerrock).
• Processing of composite materials and plastics.
• Production of laminated glass and solar PV panels.

Technical Data

Item no.	DH2211	
Compound	Silicone	
Surface	Smooth/Smooth and Smooth/Textured	
Standard thickness	1mm, 2mm, 3mm	
Width	Max up to 3800mm seamless	
Color	Gray transparent	
Hardness	45±5 Shore A	ASTM D2240
Density	1.25±0.05g/cm3	ASTM D297
Tensile strength	11.5MPa	ASTM D412
Tear strength	45N/mm	ASTM D412
Elongation	860%	ASTM D624 B
Resilience	25%	ASTM D395 B
Max. temperature	250°C	

* Although also called diaphragms, sheets or membranes,the woodworking industry tends to use the term membrane.

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