

Technical specification

USTA 120B

Description Excellent mechanical and physical properties. Electric insulation. Pliable and allow complete surface contact with excellent heat dissipation. Improves its thermal resistance with age. The reinforcing fibreglass provides excellent cut-through resistance. The material is a composite of thermal conductive material, silicone rubber and fibreglass. Flame retardant and is specially formulated for use as a thermally conductive insulator. The primary use for USTA120 is to electrical insulate power source from heat sinks. Typical applications include automotive electronics and motor controls.

Properties	Unit	Value	Test method
Colour		Grey	
Thickness	Mm	0,23/0,30/0,45	ASTM D751
Tensile strength	Kgf/cm ²	134	ASTM D412
Elongation	%	7,35	ASTM D412
Hardness	Shore A	85	ASTM D2240
Specific gravity	g/cm ³	2,31	ASTM D792
Insulation strength	Volt/mm	>6000	ASTM D149
Weight Loss at 204°C	%	< 1	
Temperature range	°C	-60 to +180	
Flammability level	UL 94	94V-0	
Thermal conductivity	W/m-K	0,90	ASTM D5470

This specification is given by our best knowledge and might be submitted to changes.