



Specifications

AVERAGE PHYSICAL PROPERTIES	RATING	TEST METHODS
Density	80 to 120 kg/m ³ (5 – 8 lb/cuft)	ASTM D 1667
Thermal Conductivity at 20° mean temp.	0.037 W/mK (0.26BTU.in/hr.ft ² . ° F)	ASTM C 177
Temperature Limits ° C	-40° C to +105° C	-
Water Absorption	0.27% (By Volume) 3% (By Weight)	ASTM D 1056
Water Vapour Diffusion Resistance Factor	>5000	DIN 52615
Ozone Resistance	Excellent	-
Thermal Stability 7 days (% shrinkage) 200° F 7 days 220° F	4.5 5.5	ASTM C 548
Average Fire Propagation Average Spread of Flame Average time of burning Flexibility	CLASS 0 CLASS 1 Less than 5 seconds Excellent	BS 476 PART 6 BS 476 PART 7 ASTM D 635 - 91
Ozone (UV) Resistance And Weather Resistance	Excellent 50pphm/72hrs/40 C	ASTM D 1171
Vertical Burning Test for Flammability of Materials	Within range of UL test requirements	UL 94 (V-0) (Underwriters Laboratories Inc.)
Smoke Density Rating	Within Limits	ASTM D 2843
Evolved Gas During Burning	No Halogen and Nitrosamine Detected	DIN 5346
Noise reduction (Noise Absorption)	NRC 0.14	AS 1045-1988
Oil and Grease Resistance	Excellent	-
Toxicity – Heavy Metals	Not Detected	USEPA 3052 ICP-OES
Elongation, Tensile And Flexibility	Excellent	-
Chemical Resistance	Excellent	-
Odour	Negligible	-
Electricity Conductance	No	-
Surface and Physical Properties	Tuff Skin Not easy broken/torn	
Mildew Resistance	Not Fungal Growth	-