

M43 board is fiberglass reinforced thermo-set polyester material. It is available in sheet form and wide selection of channel, angle and tube sizes. These materials are the industry standard for arc/track and flame resistance and electric insulation. It can also used as thermal insulation panel of lateral side of heated mold/die and platen press.

Technical Characteristics

Physical	Test Method	Unit	Result
Barcol Hardness	Barcol	Scale	52
Specific Gravity	D-792		1.62
Density, Lbs/In ³		Lbs/Cu. In.	0.050
Water Absorption, %	D-229	%	0.03
UL Flammability	UL94	Class	HB
Flame Resistance, Seconds			
Ignition Time	D-229	Seconds	77
Burning Time	D-229	Seconds	256
Coefficient of Thermal Expansion	D-696	In./In./°C	2.9 x 10 ⁻⁵
Temperature Class*	--	Degrees C	220
Mechanical			
Tensile Strength, PSI	D-638	PSI	13,000
Flexural Strength, PSI	D-790	PSI	25,000
Modulus of Elasticity in Flexure, PSI	D-790	PSI	1.70 x 10 ⁶
Compressive Strength, PSI	D-695	PSI	33,000
Bond Strength, 1/2" Thickness, PSI	D-229	PSI	1,400

All values are average test results from typical production material. No warranty is implied or guaranteed and testing is recommended for each application.

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