

PYROPEL® MD-60 High Compressive Strength, 550°F Insulation Board

Pyropel MD-60 is a rigid, high compressive strength polyimide hardboard. It can be used continuously under compressive loads at temperatures up to 550°F. Pyropel MD-60 is designed as a low cost polyimide plate where thermal insulation, low off gassing, and compressive strength are the key properties required.

Pyropel MD-60 is a three dimensionally reinforced fiberboard with high shear strength and durability. It can be machined easily with a high speed milling, drilling or cutting tools. It cuts cleanly and quickly. Pyropel MD-60 has excellent chemical resistance to most strong acids, solvents, fuels and lubricants.

PHYSICAL PROPERTIES

Form:	Rigid Fiberboard
Color:	Light Brown
Density:	60 lb/ft ³
Standard Thickness:	5/32", 1/4"

MECHANICAL

Tensile Modulus	164,000 psi
Yield Strength (2% Offset):	3,070 psi
% Elongation:	
@ 2% Offset	4%
@ Break	6%
Compressive Modulus:	58,000 psi
Strength @ 2% Strain:	1,150 psi
Flexural Modulus:	132,260 psi

THERMAL

Continuous Use Temperature 550°F
Glass Transition Temp (T_g): 600°F

Thermal Conductivity (k) BTU·in/Hr·ft²·°F

(77°F)	0.80
(200°F)	0.83
(300°F)	0.86
(400°F)	0.90

Flammability Rating: (UL-94) 94V-01

IMPORTANT NOTICE REGARDING THIS INFORMATION

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