

PYROPEL® LD-6

Lightweight, Tough, High Temperature Blanket

Rev. 3/2020

Pyropel LD-6 is a strong, three dimensionally reinforced insulating blanket capable of operating continuously at temperatures from -300°F to +550°F. It is an excellent acoustic absorption material. Pyropel LD-6 is a porous product capable of filtering air at high temperature with a low pressure drop. It is available in rolls.

Pyropel LD-6 is 100% polyimide fiber. It has excellent resistance to acids, hydrocarbons, most solvents and cleaning fluids. It is drapable, can be readily cut and bonds easily to most surfaces. Pyropel LD-6's density of 6 lb/ft³ gives it enough strength so it can be supported with fasteners, clips or adhesives to metal and plastic surfaces.

TYPICAL PROPERTIESSIEnglish

Form:		Drapable Blanket	Drapable Blanket
Color:		Yellow	Yellow
Density:		96 Kg/m ³	6 lb/ft ³
Thickness:		3.18mm - 25.4mm	1/8" - 1"
Glass Transition Temp (Tg):		315°C	600°F
Service Temperature		-184°C to +232°C	-300°F to +450°F
Thermal Conductivity (k)		24°C 0.032 W/m·K	75°F 0.22 (BTU-in/hr-ft-°F)
(ASTM C-518)		93°C 0.039	200°F 0.27
		149°C 0.045	300°F 0.31
		204°C 0.055	400°F 0.38
Combustion/Burn Properties			
LOI		40%	40%
OSU Heat Release	Kw/M ²	5/20	5/20
NBS Smoke Density		5	5

SUGGESTED USES

Pyropel LD-6 readily bonds/fastens to most surfaces to provide high temperature insulation. It can be cut into gaskets, sewn into heat protector blankets or used in conjunction with ceramic felt or wools to provide a light, yet stable, insulation system.

AVAILABLE FORMS

Pyropel LD-6 is available in rolls 54" wide and 75' long. Custom widths and lengths are available. Thicknesses range from 1/8" to 1" in 1/8" increments. Contact Pyropel, Inc. for quotes on die cut parts or to explore the possible development of a grade to custom-fit your needs.

IMPORTANT NOTICE REGARDING THIS INFORMATION

All statements and technical information contained herein are based on tests we believe to be reliable. There is no guarantee of the accuracy and completeness of the information and the following is made in lieu of all warranties, expressed or implied.

Pyropel, Inc.'s obligation is to replace such quantity of product proved to be defective. Pyropel, Inc. shall not be liable for any injury, loss or damage, direct or consequential, arising out of the use of or the inability to use the product. User shall determine the suitability of the product for his intended use and assumes all risk and liability whatsoever in connection therewith. Statements relating to possible use are not guaranteed to be free from patent infringement risks or liability.