

# Derogel™

## The Ultimate Aerogel-Like Material for All Your Insulation Needs

### Product highlights

**Derogel™** is an aerogel-like material that utilizes very fine fibers to trap air molecules, providing warmth and comfort without adding bulk or weight to clothing, footwear, or accessories. Additionally, it has moisture-wicking capabilities that keep wearers dry and comfortable in cold and damp conditions. Another unique feature is its versatility, as it comes in different weights and forms such as rolls, sheets, and loose fibers, making it adaptable to various applications. Higher weights of **Derogel™** offer greater warmth, while the different forms allow it to be used in diverse settings.



### Derogel™ Properties

Derogel™ - The Ultimate Aerogel-Like Material for All Your Insulation Needs															
Properties	Thickness	Thermal Resistance (R-value)						Thermal Conductivity		Base weight		Density		Flame Spread Index	Smoke Developed Index
		ASTM C177, ASTM C518, ASTM D7984										ASTM E84			
		inch	mm	h.ft².°F/BTU	m².K/W	R <sub>1</sub> inch thickness	BTU.inch/h.ft².°F	W/m.K	oz/yd²	g/m²	lb/ft³	kg/m³	Class A: 0-25 flame spread, 0-450 smoke developed Class B: 25-75 flame spread, 0-450 smoke developed Class C: 76-200 flame spread, 0-450 smoke developed		
Derogel™	D10	0.39	10	1.8	0.31	4.5	0.22	0.032	14.7	500	3.1	50	Class A (0)	Class A (50)	
	D20	0.79	20	3.2	0.56	4.0	0.25	0.036	14.7	500	1.6	25	Class A (0)	Class A (50)	

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