

# 35TL

**Product Data Sheet** 

## **General Description**

35TL is a flame retardant vapor barrier facing consisting of .0003" (9 micron) aluminum foil, fiberglass reinforcing yarn and natural kraft paper laminated together with a flame retardant adhesive. This product is typically used as a facing for duct wrap and duct board.

### **Construction**

	English	Metric
Aluminum Foil	.0003 inches <u>+</u> 10%	9 microns
Fiberglass Reinforcing Yarn	MD: 2/ inch	MD: 8 / 100mm
	XD: 3/ inch	XD: 12 / 100mm
Adhesive	Flame RetardantFlame Retardant	
Natural Kraft Paper	30 lbs / 3000 ft² <u>+</u> 10%	49 gm / m²

#### **Typical Physical Properties**

Smoke

Properties	Test Method	Value		
		English	Metric	
Basis Weight	Scale	24 lbs / MSF	117 gm / m²	
Permeance (MVTR)	ASTM E-96, Procedure A	.02 max	.013 max	
Puncture Resistance	ASTM D-781	25 scale units	29 scale units	
Tensile Strength ASTM D-828		MD: 30 #/in	MD:5.3 kn/cm	
		XD: 20 #/in	XD:3.5 kn/cm	
Mullen Burst	ASTM D-774	40 psi	2.8 kg/cm <sup>2</sup>	
Mold & Mildew Resistance	ASTM D-2020	None	None	
Corrosion	120F (49C) @ 95%RH (30 days)	None	None	
Delamination	120F (49C) @ 95%RH (30 days)	None	None	
High Temp. Resistance	24 hours @ 150F (66C)	Pass	Pass	
Adhesion	1 hour water @ 70F (21C)	Pass	Pass	
Flammability	ASTM E-84	Flame Spread <25	Same	
		Smoke <50	Same	
U. L. Surface Burning Characteristics				
Foil Exposed Kraft Exposed				
Flame Spread	10 35	D		

## This product meets ASTM C1136-90 requirements for insulation facings.

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The physical (or chemical) properties of Johns Manville products represent typical average values obtained in accordance with acceptable test methods and are subject to normal manufacturing variations. Values are supplied as a technical service and are subject to change without notice. Rev. 2-1/18/07

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