



Technical Data Sheet

WTI PHENOLIC (UL-181) PRE-INSULATED DUCT SYSTEM

Sl. No.	DESCRIPTIONS	VALUE	STANDARDS
1	Density	60+-5 kg/m ³	ASTM D1622 D1622M-14
2	Thermal Conductivity	0.021-0.036 W/m.K	ASTM C518:2007
3	Water Vapour Transmission	0.00g/hm ²	ASTM E96
4	Toxic Chemical Analysis formaldehyde	<0.01mg/m ³	ASTM D5582/IHP
5	Closed Cell Content	>90%	ASTM D6226
6	Compressive Strength	>200kPa	ASTM D 1621-16
7	Flame Spread Index	<25	ASTM E84/UL723
8	Smoke Developed Index	<50	ASTM E84/UL723
9	Phenolic "Air Ducts"	Class 1	UL181
10	Phenolic Foam Chemical Property	CFC Free / HCFC Free	
11	Environment effect	ODP = 0 (GWP<5)	
12	Facing Material Thickness and description	≥250 micron reinforced aluminum facer.	
13	Recommended Operation Temperature	-26 to 85 degree	UL 181
14	Temperature Range	-17.8 to 129.4 degrees C	UL181
15	Design Pressure	Positive = 1000pa Negative = 750pa	UL181
16	Duct Construction Standard		SMACNA Phenolic Duct Construction Standard

