Hi-Flow Comparison Table

		HF 105	HF 115-AC	HF 225F-AC	HF 225FT	HF 225UF
Property	**Test Method**	**Imperial Value**	**Imperial Value**	**Imperial Value**	**Imperial Value**	**Imperial Value**
Color	Visual	Dark Grey	Gray	Black	Black	Black
Reinforcement Carrier	***	Aluminum	Fiberglass	Aluminum	Aluminum	Aluminum
Thickness (inch) / (mm)	ASTM D374	0.0055	0.0055	0.004	0.004	0.0045
Carrier Thickness (inch) / (mm)	ASTM D374	***	***	0.0015	0.001	0.001
Elongation (%45° to Warp & Fill)	ASTM 882A	***	40	***	***	***
Tensile Strength (psi) / (MPa)	ASTM 882A	***	900	***	***	***
Continuous Use Temp. (°F) / (°C)	***	266	302	248	248	302
Phase Change Temp. (°F) / (°C)	ASTM D3418	149	149	131	131	149
Electrical						
Dielectric Breakdown Voltage (Vac)	ASTM D149	***	300	***	***	4000
Dielectric Constant (1000 Hz)	ASTM D150	3.2	3.5	***	***	3.5
Volume Resistivity (Ohm-meter)	ASTM D257	***	10^{10}	***	***	10^{10}
Flame Rating	U.L. 94	V-O	V-O	V-O	V-O	V-O
Thermal						
Thermal Conductivity (W/m-K) (1)	ASTM D5470	0.9	0.8	1.0	0.7	0.5

Hi-Flow Comparison Table (cont.)

		HF 225UT	HF 225U	HF 625	HF 300P1.5	HF 300G
Property	**Test Method**	**Imperial Value**	**Imperial Value**	**Imperial Value**	**Imperial Value**	**Imperial Value**
Color	Visual	Black	Black	Green	Green	Green
Reinforcement Carrier	***	None	None	PEN Film	Polymide	Fiberglass
Thickness (inch) / (mm)	ASTM D374	0.003	0.0015	0.005	0.0045	0.005
Carrier Thickness (inch) / (mm)	ASTM D374	***	***	***	0.0015	***
Elongation (%45° to Warp & Fill)	ASTM 882A	***	***	60	40	40
Tensile Strength (psi) / (MPa)	ASTM 882A	***	***	30,000	7,000	400
Continuous Use Temp. (°F) / (°C)	***	248	302	131	302	212
Phase Change Temp. (°F) / (°C)	ASTM D3418	131	131	149	131	131
Electrical						
Dielectric Breakdown Voltage (Vac)	ASTM D149	***	***	4000	5000	300
Dielectric Constant (1000 Hz)	ASTM D150	***	***	3.5	4.5	3.5
Volume Resistivity (Ohm-meter)	ASTM D257	***	***	10^{10}	10^{12}	10^{8}
Flame Rating	U.L. 94	V-O	V-O	V-O	V-O	V-O
Thermal						
Thermal Conductivity (W/m-K) (1)	ASTM D5470	0.7	1.0	0.5	1.6	1.6