



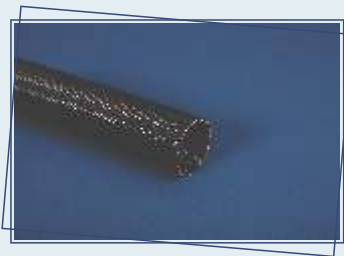
MultiWflex Line

High versatility Air Conduction Ducts

	APA	PET A PET	PET PCP A	PET POL PET
Application	Air conduction, thermal protection	Air conduction	Air conduction	Air conduction
Composition				
Raw material	Aluminum / Fiber Cellulose / Aluminum	PET / Aluminum / PET	PET PCP / Aluminum	PET / Polyester / PET
Inner diameter (in inches)	0.40 - 5.90	0.40 - 5.90	0.40 - 5.90	0.40 - 5.90
Wall thickness (± 0.0098 inch) Reng* 449-14	0.078	0.078	0.066	0.078
Minimum temperature Reng* 450-14	-40°F	-40°F	-40°F	-40°F
Maximum temperature (working) Reng* 451-14	392°F	320°F	302°F	374°F
Maximum temperature (peak) Reng* 451-14	410°F	338°F	320°F	392°F
Inflammability Reng* 442-14	Not flammable	Self Extinguishing	Self Extinguishing**	Self Extinguishing
Bending radius Reng* 443-14	1.5 x diameter	1.5 x diameter	1.5 x diameter	1.5 x diameter
Bending cycles Reng* 444-14	60.000	2.000.000	750.000	2.000.000
Tensile strength ($\pm 5\%$) Reng* 445-14	182 Lbf	130 Lbf	97 Lbf	220 Lbf
Compression strength (Elastic deformation 10%Ø) ($\pm 5\%$) Reng* 446-14	77 Lbf	41 Lbf	57 Lbf	30 Lbf
Resistance to pressure Reng* 446-14	Negative: -58 kPa Positive: 147 kPa	Negative: -79 kPa Positive: 137 kPa	Negative: -57 kPa Positive: 147 kPa	Negative: -49 kPa Positive: 235 kPa
Immersion Reng* 447-14	Waterproof	Waterproof	Waterproof	Waterproof
Sealing	Fusing	Fusing	Fusing	Fusing

* Reng - Report test engineering

** Self Extinguishing (confirmed depending on the application)

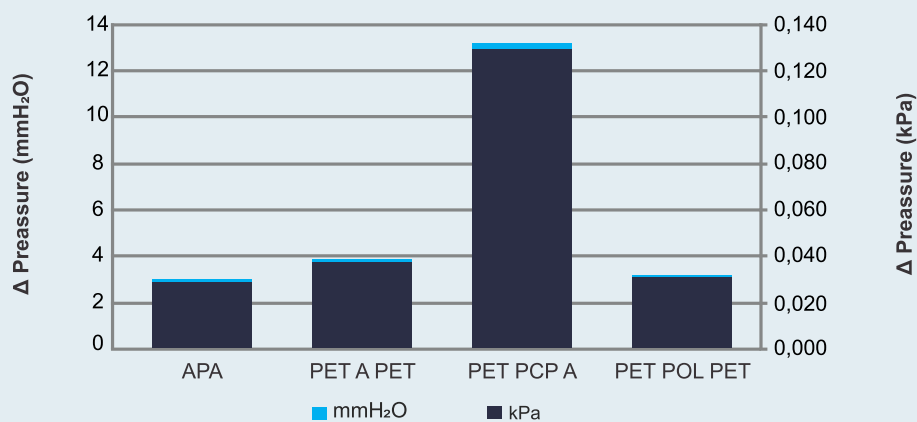




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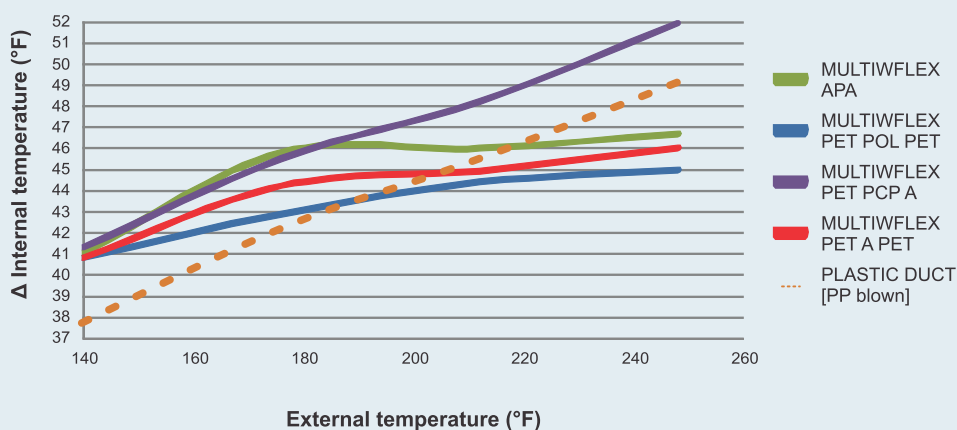
Comparative of Load Loss



Indicated values for straight ducts with average flow rate of 123 ft³/min.

Values will vary in function of duct internal diameter, length and placement of the duct to be used.

Comparative Thermal Permeability



The values referenced to straight ducts by flow rate 123 ft³/min.

All the comparatives were made in ducts with 50mm of internal diameter and 500mm of length