

AERODINÂMICA

Tubulações Termoplásticas

PROPERTIES	PVC-U	CPVC	Standards
		Corzan	
Specific gravity	1.42	1.51	ASTM D 792
Tensile strength, psi at 73°F	7,000	7,320	ASTM D 638
Modulus of elasticity tensile, psi at 73°F	400,000	423,000	ASTM D 638
Flexural strength, psi	14,500	13,200	ASTM D 790
Compressive strength, psi	9,000	10,100	ASTM D 695
Poisson's ratio	0.38	0.33	
Working stress, psi at 73°F	2,000	2,000	
Coefficient of thermal expansion in./in./°F (x 10 ⁻⁵)	3.00	3.40	ASTM D 696
Linear expansion, in./10°F per 100' of pipe	0.36	0.41	
Maximum operating temperature under pressure	140°F (60°C)	200°F (93°C)	
Deflection temperature under load, °F at 66 psi	173	n/a	ASTM D 648
Deflection temperature under load, °F at 264 psi	160	239	ASTM D 648
Thermal conductivity, BTU.in./hr.ft ² .°F	1.20	0.95	ASTM C177
Burning rate	Self extinguish	Self extinguish	ASTM D 635
Burning class	V-0	V-0	UL-94
Flash ignition, °F	730	900	
Water absorption, %, (24 hrs. at 73°F)	0.05	0.03	ASTM D 570

re: Ipex catalogue vol I - page 10 - Table 1

* The properties listed in this table represent general material properties and should be used only as a guideline