

FLAMETEC™ Material Comparison

TYPICAL PHYSICAL	ASTM	UNITS	FLAMETEC THERMAX XL PVC	FLAMETEC CLEANROOM PVC-C
Physical				
Specific Gravity	D 792	g/cm ³	1.53	1.53
Water Absorption	D 570	%	0.10	0.03
Shore D Hardness	D 2240	-	85	76
Cell Class	D 1784	-	12354	23556-B
Mechanical				
Tensile Strength @ Yield	D 638	psi	6,600	7,190
Tensile Modulus	D 638	psi	436,800	366,000
Flexural Modulus	D 790	psi	445,000	-
Notched Izod Impact	D 256	ft-lb/in.	1.2	3.0
Thermal				
Heat Deflection Temp @66psi	D 648	°F	166	190
Heat Deflection Temp @264psi	D 648	°F	159	173
Coefficient of Expansion	D 696	in/in/°F	3.4 x 10 ⁻⁵	3.3 X 10 ⁻⁵
Flammability				
Vertical Burn	UL 94	-	V-0; 5-VA	5-VA
FM Global (Factory Mutual)	FM 4910	-	Listed	Listed

FLAMETEC THERMAX XL PVC

Key Material Benefits

- Easy to fabricate & weld
(sheet & supplied rod use same formulation)

Key Material Advantages

- Optimal Bright White Color
- Exceptional Glossy Finish

FLAMETEC CLEANROOM PVC-C

Key Material Benefits

- Economical
- Easy to Fabricate
- Good Formability
- Flame Retardant Properties

Key Material Advantages

- Plasticizer Free
- True CPVC Material
- Range of Thicknesses