## **GENERAL INFORMATION:**

KYDEX T is a proprietary thermoplastic sheet that is cost competitive with fire retardant ABS/PVC (FR-ABS) formulations but with significantly higher impact strength and extensibility. Unlike FR-ABS, because KYDEX T is less hygroscopic, KYDEX T typically does not require pre-drying; offers superior impact; more uniform forming with less wall thinning; and offers significantly greater resistance to a broad range of corrosive chemicals and cleaning solutions. It is available in a wide range of aesthetic choices and is UL® recognized Std 94 V-0/5V.

## **FEATURES:**

KYDEX T is formulated to substitute for FR ABS sheet with competitive pricing but superior cost/performance.

KYDEX T has higher breakage resistance as measured by the Notched Izod test than competitive thermoplastics.

KYDEX T is available in eight gauges from .028" (0.71mm) and up, in nine textures, a large variety of colors, custom blank sizes, and very low minimums.

KYDEX T is among the most rigid of thermoforming materials, with a modulus of elasticity of 360,000 psi (2482 MPa).

THERMOFORMABILITY - KYDEX T is easy to form with excellent part definition and deep-draw characteristics. It forms with similar forming times to FR-ABS making it easy transition from competitive products.

<u>RIPH</u>- KYDEX is endorsed by the Royal Institute of Public Health for conformance to the standard of Hygienic Merit

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Property	Test Method	Typical Value <sup>1</sup>
Specific Gravity	ASTM D-792	1.35
Tensile Strength	ASTM D-638	6,100 psi
		42 MPa
Elongation %	ASTM D-638	110
Flexural Strength	ASTM D-790	9,600 psi
		66 MPa
Modulus of	ASTM D-790	360,000 psi
Elasticity		2482 MPa
Notched Izod		15 ft-lbs/in
Impact Resistance,	ASTM D-256	· · · · · · · · · · · · · · · · · · ·
@ 73°F (23°C)		801 J/m
Rockwell Hardness	ASTM D-785	94
(R Scale)	A31101 D-703	34
Heat Deflection	ASTM D-648	
Temperature (HDT)		168°F
@ 264psi (1.8MPa)		75.5℃
annealed		
Flammability:		
Underwriter's Lab.	UL Standard	V-0,5V <sup>3</sup>
Component	94 <sup>2</sup>	,
Recognition		
Federal Aviation	FAR	Pass <sup>3</sup>
Administration	25.853(a)	
BS 476 Part 6		Class 0 (2mm)
BS 476 Part 7		Class 1 (.7 &
		2.0mm)
EC 95/28/EG		Pass (1-6mm)
DIN 5510-2		.7mm (\$4,\$T2,\$R2)
M1 Test	NFP 92-501	6.2mm (S4,ST2,SR1) M1 (.7mm)
		M2 (3.2-6.4mm)
<sup>1</sup> All values hased und		

 $<sup>^{1}</sup>$ All values based upon .125" (3.175mm) sheet unless otherwise specified.

Not intended for specification purposes.

## **Kleerdex Company Customer Service**

Aiken, SC 29802

800-325-3133 or 803-642-6864 FAX: 803-642-6867 or 800-452-0155

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<sup>&</sup>lt;sup>2</sup>Underwriter's Laboratories Inc., File E115252

<sup>&</sup>lt;sup>3</sup>All gauges .028" (0.71mm) and above.

<sup>\*</sup>The thicknesses are added.