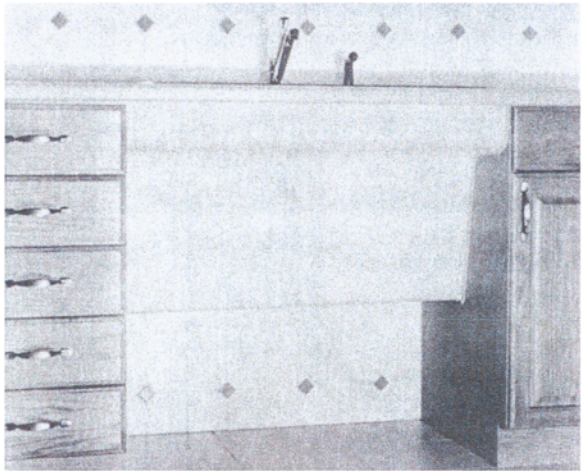
BASIN GUARD®
UNDERSINK PROTECTIVE ENCLOSURES



IMPACT RESISTANT FIRE RATED SHEET

GENERAL INFORMATION

Kydex T is a proprietary acrylic/PVC 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 requiring pre-drying; offers superior impact resistance (15 ft-lbs/in); 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 0.028" 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 350,000 psi.

THERMOFORMING AND FABRICATION

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.

Specification subject to change without notice.

Fire retardant thermoplastic acrylic/PVC sheet for general thermoforming. Outperforms FR-ABS at comparable cost.

SUGGESTED END-USES

- External housings for equipment such as photocopy machines, instrument panels, computers, keyboards, telephones, etc.
- Internal parts for equipment such as vending machines, air ducts, grilles, etc.
- Orthopedic braces
- Medical equipment parts (for example, centrifuge covers, blood analyzers, etc.).
- In-store displays
- Electrical equipment and any components requiring an UL 94 V-0 rating.

Kydex ® T

Property	Test Method	Typical Value[1]
Specific Gravity	ASTM D-792	1.35
Tensile Strength, psi	ASTM D-638	6,100
Elongation at Break, %		110
Flexural Strength, psi	ASTM D-790	9,600
Modulus/Elasticity, psi		360,000
Rockwell Hardness, R	ASTM D-785	94
Notched Izod Impact Resistance, 72·F, ft-lbs/in	ASTM D-256	15
Heat Deflection Temperature, HDT, @264psi, annealed, °F	ASTM D-648	168°
Flammability Resistance[2]		
Underwriter's Lab.	UL Standard 94	V-0
Federal Aviation Admin.	FAR 25.853a (Replaces para. b)	Pass
Forming Temperature, °F		325° - 390°
Mold Shrinkage, %		0.4 - 0.6
Forming cycle time		Equivalent to FR-ABS