# Kleerdex Kydex® 130 Acrylic/PVC Thermoplastic Sheet (discontinued **)

**Category :** Polymer , Thermoplastic , Acrylic (PMMA) , Vinyl (PVC) , PVC/Acrylic Alloy

**Material Notes:**

Decorative thermoplastic sheetApplications: Appliances, laminations, electronics, in-store displays, medical devices, equipment housings, dental equipmentFeatures: For deep to hard to form parts or where good finished detail is required. Kydex 130 is more rigid than most other thermoplastics resulting in parts that are stiffer and that will deform less when loaded. Kydex meets the highest standards for chemical resistance. Kydex 130 is recognized by Underwriter's Laboratories for Std 94 V-0 and 5V in all gauges. It meets FAR 25.853(a) vertical burn requirements for use in aircrafts as thermoformed parts. For building products it Surface Burning Characteristics meets Class I/A requirements. Fabrication: Kydex 130 is easy to fabricate and thermoform and since the color is integral throughout the sheet you don't have to worry about the cap thinning out or the substrate bleeding through.Data provided by the Kleerdex Company.Kleerdex Company became KYDEX, LLC in 2009.

Order this product through the following link:
http://www.lookpolymers.com/polymer_Kleerdex-Kydex-130-AcrylicPVC-Thermoplastic-Sheet-nbspdiscontinued-.php

| Physical Properties | Metric | English | Comments |
|---|---|---|---|
| Density | 1.33 - 1.37 g/cc | 0.0480 - 0.0495 lb/in³ | ASTM D792 |

| Mechanical Properties | Metric | English | Comments |
|---|---|---|---|
| Hardness, Rockwell R | 101 | 101 | ASTM D785 |
| Tensile Strength, Ultimate | 41.0 MPa | 5950 psi | ASTM D638 |
| Elongation at Break | 130 % | 130 % | |
| Modulus of Elasticity | 2.372 GPa | 344.0 ksi | |
| Flexural Yield Strength | 62.0 MPa | 8990 psi | ASTM D790 |
| Izod Impact, Notched | 1.87 J/cm<br>@Temperature 23.0 °C | 3.50 ft-lb/in<br>@Temperature 73.4 °F | ASTM D256 |

| Thermal Properties | Metric | English | Comments |
|---|---|---|---|
| Deflection Temperature at 1.8 MPa (264 psi) | 77.0 °C | 171 °F | annealed; ASTM D648 |
| Flammability, UL94 | V-0 | V-0 | V-0, 5V; UL Standard 94 |

| Processing Properties | Metric | English | Comments |
|---|---|---|---|
| Processing Temperature | 163 - 200 °C | 325 - 392 °F | Forming Temperature |

## Contact Songhan Plastic Technology Co.,Ltd.

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