

KYDEX[®] 107

High performance sheet for NSF food zone applications

Introduction

KYDEX[®] 107 is a proprietary thermoplastic sheet designed for NSF approved applications that offers improved properties compared to competitive ABS thermoplastic sheet.

General Information

KYDEX[®] 107 is made using only FDA approved raw materials and is listed by the National Sanitation Foundation for Standard 51 food zone applications. It is available in limited colors, but a wide range of textures and sheet sizes.

Suggested Applications

- Food Equipment Components
- Miscellaneous Applications

Features

- Formulated only with FDA approved (under 21 CFR) raw materials as listed with NSF Standard 51 for food zone applications
- Higher breakage resistance measured by the Notched Izod test than competitive thermoplastics
- Available in thicknesses from 0.71mm (0.028") and up, in eight textures, and custom colors
- Excellent forming properties and crisp detail
- Easy machining and fabricating using conventional methods and equipment

Environmental and Safety Considerations

KYDEX, LLC is committed to ensuring that its products can be manufactured, transported, stored, used, disposed and recycled with an appropriate regard for safety, health and environmental protection. We support the safe handling of our products. Please contact our Technical Service department at 800.682.8758 for resources or visit our website: <http://www.kydex.com>. For Material Safety Data Sheets, please call 800.325.3133.



ISO 9001:2000 | ISO 14001:2004 Certified

Customer Service

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www.kydex.com



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Physical
Properties

Property	Test Method	Typical Value ¹	
Specific Gravity	ASTM D-792	1.33 - 1.37	
Tensile Strength	ASTM D-638	48 MPa	6,900 psi
Elongation %	ASTM D-638	150	
Flexural Strength	ASTM D-790	72.4 MPa	10,500 psi
Modulus of Elasticity	ASTM D-790	2,758 MPa	400,000 psi
Notched Izod Impact Resistance, @ 23°C (73°F)	ASTM D-256	212 J/m	4 ft-lbs/in
Rockwell Hardness (R Scale)	ASTM D-785	108	
Heat Deflection Temperature (HDT) @ 264 psi (1.8 MPa) annealed	ASTM D-648	78.3°C	173°F
Flammability: Underwriter's Laboratories, Inc [®] Component Recognition	UL Standard 94 ²	V-0 ³	
Forming Temperature		163 - 200°C	325 - 390°F

¹ Values based upon 3.18mm (0.125") sheet unless otherwise specified.
² Underwriter's Laboratories, Inc[®], File E115252
³ All thicknesses 0.71mm (0.028") and above
 Not intended for specification purposes.



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This information supersedes all previously published data.