

KYDEX® 6503

Integral pearlescent low heat release aviation sheet

Introduction			stic sheet specifically formulated to meet the safety needs of ect for use with LED lighting or on it's own.
General Information	(d) (old (c)) including low he		h in Federal Aviation Regulations 25.853 paragraphs (a) and J rate of heat release test. Its excellent properties make it the ents.
Suggested Applications	 Seat parts Armrests Passenger service units Kick panels 	 Bulkhead laminates Life vest shrouds Tray tables 	Window shadesMoulding stripsMonitor shrouds
Features	 Available in P-3 texture and Easy to clean with aggress Citri Kleen® (avoid ammor Meets the stringent requir Forms deep draws with lo Crisp detail, minimal reject Can be formed on all standards 	niated cleaners) ements of FAR 25.853 paragrap w forces when heated to the up ts dard presses and cut on all sta	028") to 3.18mm (0.125") [®] , Fantastic [®] , and citrus-based cleaners such as oh (d) in all thicknesses and colors pper end of forming temperature range
Environmental and Safety Considerations	recycled with an appropriate our products. Please contact	regard for safety, health and er	e manufactured, transported, stored, used, disposed and wironmental protection. We support the safe handling of nt at 800.682.8758 for resources or visit our website: se call 800.325.3133.
KYDEX, LLC ISO 9001 and 14001 Certified			
Customer Service			

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Technical Service

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Physical Properties

Property	Test Method	Typical Value ¹	
Specific Gravity	ASTM D-792	1.48	
Tensile Strength	ASTM D-638	45 MPa	6,500 psi
Flexural Strength	ASTM D-790	70 MPa	10,100 psi
Modulus of Elasticity	ASTM D-790	2,896 MPa	420,000 psi
Dynatup 23°C (73°F)	Max. Energy Cum. Energy	7.24 J 130.65 J	5.34 ft-lbs 96.36 ft-lbs
Rockwell Hardness (R Scale)	ASTM D-785	98	
Heat Deflection Temperature (HDT) @ 1.8 MPa (264 psi) annealed	ASTM D-648	78.3°C	173°F
Flammability: Radiant Panel	ASTM E-162	Pass	
Flammability:	FAR 25.853 (a)	Pass	
Flammability:	FAR 25.853 (d) (a) Smoke Generation (b) Rate of Heat Release	(a) Pass (b) < 65 / 65	
Forming Temperature		163 - 200°C	325 - 390°F

Not intended for specification purposes.

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Because we cannot anticipate or control the many different conditions under which this information and our products may be used, we do not guarantee the applicability of the accuracy of this information or the suitability of each product for their particular purposes. Data in the physical property table represents typical values and are to serve only as a guide for engineering design. Results are obtained from specimers under ideal laboratory conditions. Right to change physical property table technical progress is reserved. THE PRODUCTS DISCUSSED ARE SOLD WITHOUT WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE, EITHER EXPRESSED OR IMPLIED, EXCEPT AS PROVIDED IN OUR STANDARD TERMS AND CONDITIONS OF SALE. Buyer assumes all responsibility for loss or damage arising from the handling and use of our products, whether done in accordance with directions or not. In no event shall the supplier or the manufacturer be liable for incidental or consequential damages. Also, statements concerning the possible use of our products are not intended and disposal of our product. Product not intended for use as a heat resistant surface. Texture, product grade and other conditions may cause variations in appearance.

This information supersedes all previously published data