

KYDEX® T MB High Impact Fire Rated Thermoforming Sheet with Microban® Antimicrobial Product

Category : Polymer , Thermoplastic

Material Notes:

Features: Substitute for FR-ABS sheet with competitive pricing but superior cost/performance. Higher breakage resistance. Standard thicknesses from 0.71 mm to 2.36 mm. Among the most rigid of thermoforming materials. Easy to form with excellent part definition and deep-draw characteristics. Microban® antimicrobial technology inhibits the growth of bacteria that can cause stains, odors and product deterioration. Microban® technology is built-in to the sheet so it won't wash or wear away and lasts for the lifetime of the product. Microban® technology keeps the surface cleaner between cleanings. Suggested Applications: Aircraft Interiors, Equipment Housings, Kiosk Housings, Mass Transit Vehicle Interior Components, Medical Products. Information provided by Kydex, LLC.

Order this product through the following link:

http://www.lookpolymers.com/polymer_KYDEX-T-MB-High-Impact-Fire-Rated-Thermoforming-Sheet-with-Microban-Antimicrobial-Product.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.35 g/cc	1.35 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	94	94	ASTM D785
Tensile Strength	42.0 MPa	6090 psi	ASTM D638
Elongation at Break	110 %	110 %	ASTM D638
Flexural Strength	66.0 MPa	9570 psi	ASTM D790
Flexural Modulus	2.48 GPa	360 ksi	ASTM D790
Izod Impact, Notched	8.01 J/cm	15.0 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	75.6 Å°C	168 Å°F	annealed; ASTM D648
Flammability, UL94	V-0	V-0	
	5VA	5VA	

Descriptive Properties	Value	Comments
Federal Aviation Administration	Pass	FAR 25.853 (a)

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