

## KYDEX® 321 Co-Extruded High Impact Fire Rated Sheet

Category : Polymer , Thermoplastic

**Material Notes:**

Features: Metallic cap, black, gray or off-white substrate  
Thickness ranging from 3.18 mm to 8.9 mm  
Textures: P-3 Velour Matte and P-C Level Haircell  
Impact resistant  
Easy to form with good part definition  
Chemical resistant  
Fire retardant  
Excellent fabrication qualities  
Suggested Applications: Exhibits and Displays  
Store Fixture Components  
Medical Products  
Machine Housings  
Information provided by Kydex, LLC.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_KYDEX-321-Co-Extruded-High-Impact-Fire-Rated-Sheet.php](http://www.lookpolymers.com/polymer_KYDEX-321-Co-Extruded-High-Impact-Fire-Rated-Sheet.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.33 g/cc	1.33 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength	42.0 MPa	6090 psi	ASTM D638
Flexural Strength	66.0 MPa	9570 psi	ASTM D790
Flexural Modulus	2.482 GPa	360.0 ksi	ASTM D790
Izod Impact, Notched	6.40 J/cm	12.0 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	64.4 Å°C	148 Å°F	unannealed; ASTM D648
	72.9 Å°C	163 Å°F	annealed; ASTM D648
Flammability, UL94	V-0	V-0	
	5VA	5VA	

### Contact Songhan Plastic Technology Co.,Ltd.

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