

## KYDEX® 6200 Thermoplastic Sheet

Category : Polymer , Thermoplastic

### Material Notes:

Fire rated sheet for mass transit Applications: Dashboards, seatbacks, armrests, tray tables, window reveals, cabin liners Features: Kydex 6200 is a proprietary, high performance thermoplastic sheet. It is designed for use in mass transit vehicles. It meets the recommended fire safety practices of both the FTA and FRA for smoke emission and flammability as tested. It is the ideal thermoplastic to solve mass transportation equipment needs. Passes Motor Vehicle Safety Standards (MVSS 302). Fabrication: Kydex 6200 forms to deep draws with low forces when heated to the upper range of 176-199°C, and has unusually high resistance to hot tearing. It can be formed on all standard presses, and cut on all standard die-cutting machines. Data provided by the Kleerdex Company.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_KYDEX-6200-Thermoplastic-Sheet.php](http://www.lookpolymers.com/polymer_KYDEX-6200-Thermoplastic-Sheet.php)

Physical Properties	Metric	English	Comments
Density	1.38 g/cc	0.0499 lb/in <sup>3</sup>	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	98	98	ASTM D785
Tensile Strength, Ultimate	41.0 MPa	5950 psi	ASTM D638
Elongation at Break	55 %	55 %	
Modulus of Elasticity	2.413 GPa	350.0 ksi	
Flexural Yield Strength	63.0 MPa	9140 psi	ASTM D790
Izod Impact, Notched	1.87 J/cm @Temperature 23.0 °C	3.50 ft-lb/in @Temperature 73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	78.0 °C	172 °F	annealed; ASTM D648
Flammability, UL94	V-0	V-0	

Processing Properties	Metric	English	Comments
Processing Temperature	176 - 199 °C	349 - 390 °F	Draws deep with low force in this range.

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