

KYDEX® 2200LT Thermoplastic Sheet for Mass Transit Applications

Category : Polymer , Thermoplastic

Material Notes:

Features: Meets flamespread and smoke development requirements listed in 49 CFR 238
Excellent formability and fabrication characteristics
Allows for tight tolerance controls
Excellent resistance to graffiti, chemicals and staining
Suggested

Applications: Seatbacks, Armrests, Window Shrouds, Bulkhead Components, Wall and Ceiling Panels
Information provided by Kydex, LLC.

Order this product through the following link:

http://www.lookpolymers.com/polymer_KYDEX-2200LT-Thermoplastic-Sheet-for-Mass-Transit-Applications.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.30 g/cc	1.30 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	108	108	ASTM D785
Tensile Strength	52.7 MPa	7640 psi	ASTM D638
Tensile Modulus	3.895 GPa	564.9 ksi	ASTM D638
Flexural Strength	77.9 MPa	11300 psi	ASTM D790
Flexural Modulus	3.11 GPa	451 ksi	ASTM D790
Izod Impact, Notched	1.40 J/cm	2.62 ft-lb/in	ASTM D256
Gardner Impact	14.2 J	10.5 ft-lb	ASTM D5420
	@Temperature -29.0 °C	@Temperature -20.2 °F	
	40.9 J	30.2 ft-lb	ASTM D5420
	@Temperature 22.0 °C	@Temperature 71.6 °F	

Thermal Properties	Metric	English	Comments
CTE, linear	53.8 µm/m-°C	29.9 µin/in-°F	ASTM E831
Deflection Temperature at 1.8 MPa (264 psi)	89.0 °C	192 °F	ASTM D648
Flame Spread Index	<= 35	<= 35	I_S value; No burning drip; ASTM E162
Smoke Density	<= 100 min	<= 100 min	D_S(1.5); ASTM E662
	<= 200 min	<= 200 min	D_S(4.0); ASTM E662

Descriptive Properties	Value	Comments
Toxic Gas Generation	Pass	Bombardier; SMP 800-C
	Pass	Boeing; BSS 7239

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