



HYZOD® FD-9200 - FDA Compliant

HYZOD FD9200 Sheet is a clear, non UV stabilized polycarbonate sheet for food & medical applications requiring FDA compliance. Close gauge tolerance control combined with high impact strength and heat resistance make HYZOD FD ideally suited for demanding applications in medical equipment as well as food processing environments. Like all HYZOD products, HYZOD FD9200 is backed by a warranty against breakage.

Applications:

Typical food applications include food processing equipment guards, bulk food bins, candy molds, sneeze guards, commercial serving bowls, and food service accessories.

Typical medical applications include single use autoclave packaging, hospital trays, bassinets, incubators, and medical device storage containers.

Typical Physical Properties

Property	HYZOD	Units	Test Method
General			
Specific Gravity	1.2	–	ASTM D-792
Chemical Resistance	Pass	–	ANSI Z26.1
Water Absorption 24hrs.	0.15	%	ASTM D-570
Mechanical			
Tensile Strength Yield .125"	9,000	psi	ASTM D-638
Tensile Strength Ultimate	9,500	psi	ASTM D-638
Tensile Modulus	340,000	psi	ASTM D-638
Compressive Strength	10,400	psi	ASTM D-695
Flexural Strength at 5% Strain1	3,500	psi	ASTM D-790
Flexural Modulus .125"	345,000	psi	ASTM D-790
Izod Impact Notched .125"	12-16	ft. lb/in of notch	ASTM D-256
Rockwell Hardness	118	R Scale	ASTM D-785
Drop Ball Impact .125"	>200	ft. lbs	S.P. Test
Gardner Impact 1/2" Diameter Dart .125"	>320	in. lbs	ASTM D-3029
Thermal			
Heat Deflection Temp. 264 psi	270	°F	ASTM D-648
Heat Deflection Temp. 66 psi	280	°F	ASTM D-648
Coefficient of Thermal Expansion	3.75 x 10 ⁻⁵	°F	ASTM D-696
Coefficient of Thermal Conductivity	1.35	in/in/°F	ASTM C-177
Smoke Density .125"	68	–	ASTM D-2843
Flammability			
Horizontal Burn, AEB	<1	in	ASTM D-635
Horizontal Burn, ATB	<1	min	ASTM D-635
Ignition Temperature Self	1077	°F	ASTM D-1929
Ignition Temperature Flash	872	°F	ASTM D-1929