



General Purpose - Polycarbonate

Sheffield
Plastics Inc.
A Bayer Company

HYZOD® GP

HYZOD GP sheet is a clear, polished surface, UV-stabilized polycarbonate for use in general glazing and industrial applications. Offering high performance and economy, HYZOD GP sheet meets or exceeds the physical properties of any product in its class. This superior performance is backed by a comprehensive warranty against breakage.

Products Available	Description	Standard Sizes	Standard Colors
General Purpose HYZOD GP Sheet	Polished Surfaces	Gauges: 1/16–1/2" L:96,120" W:48,60,72, 96"	Clear Gray, Bronze
Privacy Patterns HYZOD GP 9160 (Matte)	Matte Surface 1 side Polished 1 side	Gauges: 1/16–1/4" L:96" W:48"	Clear Tints available
HYZOD GP 9180 (Pebble)	Textured both sides	Gauges: 1/8–1/4" L:96" W:48"	

Applications

Flat Glazing	Curved Glazing	Privacy/Protective Glazing
Industrial Overglazing	Partitions	Light Diffusers

Typical Properties of HYZOD GP - HYZOD GP-9160 - HYZOD GP-9180

Property	Hyzod	Units	Test Method
General	1.2	–	ASTM D-792
Specific Gravity	Pass	–	ANSI Z26.1
Chemical Resistance	0.15	%	ASTM D-570
Water Absorption			
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% strain	13,500	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	>320	in.lbs	ASTM D-3029
Thermal			
Deflection Temperature 264 psi	270	°F	ASTM D-648
Deflection Temperature 66 psi	280	°F	ASTM D-648
Coefficient of Thermal Expansion	3.75 x 10 ⁻⁵	in/in/°F	ASTM D-696
Coefficient of Thermal Conductivity	1.35	BTU/hr/ft2/°F	ASTM C-177
Smoke Density .125"	68	–	ASTM D-2843
Shading Coefficient Clear	1.02	–	ASHRAE
Shading Coefficient Gray/Bronze	.79	–	ASHRAE
Flammability			
Horizontal Burn, AEB	<1	in	ASTM D-635
Horizontal Burn, ATB	<1	min	ASTM D-635
Self Ignition Temperature	1077	°F	ASTM D-1929
Flash Ignition Temperature	872	°F	ASTM D-1929