



PREMIUM COATINGS & MANUFACTURING

FUSIONITE™

CGI



WEATHERABLE HARDCOATED POLYCARBONATE

FUSIONITE CGI IS A PREMIUM WEATHERABLE HARDCOAT WITH EXCEPTIONAL CLARITY AND DURABILITY FOR ONE OR TWO SIDED APPLICATION ON POLYCARBONATE SHEET OR MOLDED COMPONENTS. THIS PRODUCT MEETS REQUIREMENTS FOR IMPROVED SAFETY, REDUCED WEIGHT, ABRASION RESISTANCE, CHEMICAL RESISTANCE AND PROVEN OUTDOOR WEATHERING PERFORMANCE.

AVAILABLE IN OUR "POLYCOOL" COLORS ALLOWING FOR NATURAL LIGHT PLUS HEAT REDUCTION

TYPICAL APPLICATIONS

BUS AND RAIL CARS • HEAVY EQUIP/AGRICULTURE CABS
FORESTRY & SEVERE DUTY VEHICLES • MOTORCYCLE/ATV/UTV • MARINE • eVTOL





TECHNICAL DATA

TYPICAL PROPERTIES - CGI HARCOATED WEATHERABLE POLYCARBONATE

PROPERTY	TEST METHOD	UNITS	VALUES
COMPLIANCE			
DOT ANSI Z26.1-1996	Items AS4/4A/5/6/7		
FRA 49CFR Part 238	Appendix B ASTM E 162 & 662		
FRA 49CFR Part 223	Ballistic & Impact Type I & II		
PHYSICAL			
Taber Abrasion. Delta Haze After Cycles Taber Abrasion Haze 500 Cycles	ASTM D 1044	%	<4
Falling Sand	ASTM D 968	%	<10
Wiper Abrasion 2000 Cycles using an Aqueous Dust Suspension	ISO 5685	%	<4
#0000 Steel Wool	FMVSS 108		No Visual Scratches
Water Immersion @ 65 °C (10 Days)		Adhesion Loss	None
UV STABILITY			
Resistance to UV Exposure Florida 45° South, Clear, After 4 years	ANSI-Z26.1 ASTM D1435	Pass / Fail %H/YI	Pass <4/<4
CHEMICAL			
Resistance to Gasoline, Kerosene, Soap, Denatured Alcohol, Anti-freeze, Sulfuric Acid (0.1N), Sodium Hydroxide (0.1N)	ASTM-Z26.1	Pass / Fail	Pass



FRIT AVAILABILITY: FUSIONITE™ PRODUCTS ARE OFFERED WITH CUSTOMIZABLE PRINT FRIT OPTIONS, ALLOWING FOR INNOVATIVE INSTALLATION METHODS WHICH ELIMINATE COMMON THREADED HARDWARE, CLIPS AND GLAZING CHANNELS. THESE PRODUCTS CAN PROVIDE A DIRECT REPLACEMENT FOR FRITTED GLASS.

The data listed is based on average reporting information and therefore should not be considered as the sole supporting information for specification purposes. Testing in individual applications is highly suggested before specifying this, or any products offered by Five Star Fabricating.