



PREMIUM COATINGS & MANUFACTURING

# FUSIONITE™

CGFII



## FORMABLE WEATHERABLE HARDCOATED POLYCARBONATE

FUSIONITE CGFII IS A FORMABLE, WEATHERABLE AND ABRASION RESISTANT HARDCOAT FOR ONE OR TWO SIDED APPLICATION THAT CAN BE COLD OR THERMALLY FORMED. THIS PRODUCT COMBINES GOOD CHEMICAL AND ABRASION RESISTANCE WITH UV PROTECTION. THE HIGH-IMPACT STRENGTH OF POLYCARBONATE PROVIDES EXCELLENT PROTECTION FROM HIGH VELOCITY PROJECTILES VERSUS GLASS. AVAILABLE ON POLYCOOL MATERIAL ALLOWING FOR NATURAL LIGHT PLUS HEAT REDUCTION

### TYPICAL APPLICATIONS

MOTORCYCLE/ATV/UTV WINDSCREENS • RACE CAR WINDSHIELDS  
FACE SHIELDS • HELMET VISORS





# TECHNICAL DATA

## TYPICAL PROPERTIES - CGFII FORMABLE HARCOATED WEATHERABLE POLYCARBONATE

PROPERTY	TEST METHOD	UNITS	VALUES
<b>PHYSICAL</b>			
Light Transmission, Clear @ 0.118"	ASTM D 1003	%	92
Light Transmission, Green @ 0.118"	ASTM D 1003	%	70
Light Transmission, Gray @ 0.118"	ASTM D 1003	%	50
Light Transmission, Bronze @ 0.118"	ASTM D 1003	%	50
Light Transmission, Dark Gray @ 0.118"	ASTM D 1003	%	18
Taber Abrasion Delta Haze 100 Cycles	ASTM D 1044	%	<6 *
Taber Abrasion Delta Haze 500 Cycles	ASTM D 1044	%	<13 *
* Formed parts results			
Water Immersion @ 65 °C (10 Days)		Adhesion Loss	None
#0000 Steel Wool	FMVSS 108		No Visual Scratches
<b>CHEMICAL</b>			
Resistance to Gasoline, Kerosene, Soap, Denatured Alcohol	ASTM-Z26.1	Pass / Fail	Pass
<b>UV STABILITY</b>			
Resistance to UV Exposure Accelerated weathering (15,000 kJ), Clear	ANSI-Z26.1 ASTM G155 Modified	Pass / Fail %H/YI	Pass 10/4
<b>COMPLIANCE</b>			
DOT ANSI Z26.1-1996	Items AS5/6/7		



**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.