Rowmark CUSTOM LAMINATIONS

1100 SERIES - ULTRA FORM MATTE - "SUPREME"

PHYSICAL PROPERTY	TEST METHOD	SPECIFICATION	MEASURED PERFORMANCE
Substrate		ABS	
Substrate Gauges	Inches	.020-.250	
Sheet Sizes		Inches	Up to 48"x120"
Silk Screening		Can be Silk-Screened and Hot Stamped	Pass Adhesion
Fabrication Properties		Router, Saw, Die-cut, shear and Laser	Pass
Thermal Cycling	GM9505 A	No Change in appearance or adhesion	Pass & no loss of adhesion
Humidity Resistance	GM4465P, 96hr	No Change in appearance	Pass & no loss of adhesion
Accelerated Weathering			
QUV Exposure	GM9125P, 2,500 hr	No change in appearance or adhesion	4,000 hr. Pass & no loss of adhesion
Xenon Exposure	SAE J1960	No change in appearance or adhesion	2,500 kj/m2, Pass & no loss of adhesion
Natural Weathering			
Florida and Arizona	GM9125P	No unacceptable change in appearance	No unacceptable changes
	180,000 L		DE < 3.0
	300,000 L		No loss of adhesion 36 months
Gasoline Resistance	GM9126P B	No change in appearance	Pass, no loss of adhesion
Chemical Resistance			
Cleaning Solvents	GM9126P B	Slight Appearance change	Pass, no loss of adhesion
Boiling Water	16hrs, DI water		No Delamination
Water	10 day immersion		No effect
Salt Spray	ASTM B117		No effect, 1000 hrs
Isopropyl Alcohol	Rubbed 60 sec		No effect
VM&P Naptha	Rubbed 60 sec		No effect
Aliphatic Hydrocarbon	Rubbed 60 sec		No effect
Engine Oil	24 hr immersion		No effect
1% HCL	Dripped + 30 min		No color change
Mar Resistance	GM9539P	Equal to or better than 400 or 600 series	Pass, no loss of adhesion
Abrasion Resistance	ASTM D1044	1500 cycles	Pass, no wear through
	Taber , CS17 wheel/500g		
Gravelometer	GM9508P	Rating = 7	Rating = 9
Optical	Gardner Gloss 60 degree		30 +/- 10% after forming
Impact	ASTM D3029, Method G		>312 inch pounds @ .125"
Hardness	Rockwell R scale		102
Heat Deflection Temperature	ASTM D648 @ 264 psi		185° F
Thermal Expansion Coefficient	ASTM D696		5.0200E-05
Flammability Resistance	ASTM E96-80		Has Burned

** All information provided strictly adheres to all exterior Automotive testing requirements.**