



## TECHNICAL INFORMATION

PHYSICAL PROPERTIES	TEST METHOD	FUNDER TYPICAL VALUES	STANDARDS FOR VERTICAL LAMINATE (LD3-1980)
Wear Resistance Cycles Solid Color Woodgrain	NEMA LD3-301	600 200	200
Scuff Resistance	LD3-302	NE	NE
Conductive Heat Resistance	LD3-308	NE	NE
Radiant Heat Resistance Solid Color Woodgrain	LD3-307	165 Secs 165 Secs	60 60
Boiling Water Resistance	LD3-305	SL-NE	NE
High Temperature Resistance	LD3-306	SL-NE	SL
Cigarette Burn Resistance Solid Color Woodgrain	LQ1-311	360 Secs 520 Secs	No Standard
Stain Resistance	LD3-309	Stains 1-23 NE 24-29 M	NE M
Light Resistance Solid Color Woodgrain	LD3-310	SL NE	SL
Cleanability	LD3-312	NE	SL
Impact Resistance	LD3-303		
Inches Drop		18-20	15

Abbreviations: NE - No Effect SL - Slight M - Moderate

PHYSICAL PROPERTIES	TEST METHOD	FUNDER TYPICAL VALUES	PARTICLEBOARD STANDARDS (ANSII-M-2)
Internal Bond (psi)	ASTM D-1037-72A Sect 28-33	90	60
Dimensional Change Lengthwise % Crosswise %	ASTM D-1037-72A Sect 107-110	0.4 0.5	0.35
Flexural Strength Lengthwise (psi) Crosswise (psi)	ASTM D-1037-72A Sect 11-20	2400 2400	2100
Modulus Elasticity Lengthwise (psi) Crosswise (psi)	ASTM D-1037-72A Sect 11-20	450,000 425,000	325,000
Deflection at Rupture (ins)	ASTM D-1037-72A Sect 11-20	0.2	No Standard
Screwholding #10 Surface (lb) #10 End Grain (lb)	ASTM D-1037-72A Sect 61-67	300 200	225 200
FLATNESS - Measured with the panel in a vertical plane. Warpage not to exceed 3/8" in 96" length or 1/4" in a 48" width			No Standard

FORMALDEHYDE EMISSIONS - Funder panels are produced in conformance with HUD 24 CFR part 3280 requirement of emission less than 0.3 ppm. Actual test results report by HPMA can be furnished on request.

FIRE RETARDANT TEST DATA - ASTM E 84 - TUNNEL TEST						
Panel Grade	Panel Construction			FIRE CODE TEST DATA		
	Core	Face	Back	Flame Spread	Fuel Contributed	Smoke Developed
Standard	1/2" - 5/8" - 3/4" thick Untreated Particleboard 45lbs./cu.ft. density	Patterns Solid Color or Cabinet Liner	Cabinet Liner	90 - 100	90 - 105	150 - 175
Fire Retardant	ditto	ditto	ditto	15 - 20	15 - 20	10 - 20

This test data may not represent the actual performance of this product under fire conditions.  
Fire retardant and other engineered grade panels are available on special order.