

MC330

TECHNICAL DATA BULLETIN

GRADE: MC330

NEMA GRADE: --

U. L. LISTED: N

DESCRIPTION: Grade MC330 is a cotton cloth/phenolic resin composite which is specially processed to be used in cryogenic applications. Such applications include spacers for installation of liquid oxygen apparatus where temperatures are as low as minus 320°F.

THICKNESS TESTED: 0.062", 0.125" & 0.500"

TYPICAL PROPERTIES

GENERAL PHYSICAL PROPERTIES		UNITS	VALUE
Specific Gravity (0.062")		-	1.37
Rockwell Hardness (0.062")		M Scale	100
Moisture Absorption (0.062") Condition D _i -24/23		%	3.5
Flexural Strength (0.062") Condition A	LW / CW	psi	18,000 / 17,000
Flexural Modulus (0.062") Condition A	LW / CW	kpsi	1,600 / 1,500
Tensile Strength (0.125") Condition A	LW / CW	psi	12,000 / 9,700
Izod Impact Strength (0.500") Condition E-48/50	LW / CW	ft-lb/in notched	1.95 / 1.75
Compressive Strength (0.500") Condition A	Flatwise	psi	34,000
Bond Strength (0.500") Condition A		lb	2,500
			2,300
Condition D-48/50			
Shear Strength (0.062")	Perpendicular	Psi	14,000

