

KEVLAR SHEET

<u>TECHNICAL DATA:</u>	LNP193P
<u>COLOUR:</u>	NATURAL BROWN
<u>THICKNESS:</u>	3.2 – 16MM
<u>DESCRIPTION:</u>	THIS MATERIAL IS IMPREGNATED WITH A HIGH TEMPERATURE PHENOLIC RESIN, WHICH PRODUCES A COMPOSITE WITH EXCELLENT MECHANICAL STRENGTH AT ELEVATED TEMPERATURES.

<u>PROPERTIES</u>	<u>VALUE</u>	<u>UNITS</u>
SPECIFIC GRAVITY	1.65	
MOISTURE ABSORPTION (0.5")	1.2	%
FLEXURAL STRENGTH (0,5") LW	32100	Psi
FLEXURAL STRENGTH (0,5") CW	15300	
HOT FLEXURAL STRENGTH (0.5") LW	33000	Psi
HOT FLEXURAL STRENGTH (0.5") CW	15000	
IZOD IMPACT STRENGTH E-48/50	18.7	ft-lb/in
	6.1	NOTCHED
COMPRESSIVE STRENGTH FLAT WISE	42000	Psi
BOND STRENGTH (PERP) (0.5")	2200	lb
MAXIMUM OPERATING TEMPERATURE	200	°C
BREAKDOWN VOLTAGE - COND. A (0.5") - D -48/50	67	kv
PERMITTIVITY - A (0.5") -D-24/23	12.5	
DISSIPATION FACTOR (0.5") D24/23	5.3	
	0.03	

*THIS DATA, WHILE BELIEVED TO BE ACCURATE AND BASED ON RELIABLE ANALYTICAL METHODS, IS FOR INFORMATIONAL PURPOSES ONLY.
DATA SUPPLIED ABOVE ARE "TYPICAL VALUES", NOT TO BE CONSIDERED "SPECIFICATION VALUES"*