Spaulding COMPOSITES INC ENGINEERING DATA SHEET
GRADE: SPAULDITE® PAR-795 SHEET

Reprint of: _____ Issued: 1206

PROPERTY CHARACTERISTICS

PROPERTY	ASTM TEST METHOD	CONDITIONING & TYPE OF TEST	THICKNESS INCHES	AVERAGE TYPICAL VALUES		INDUSTRY REQUIREMENTS	
				ENGLIGH	SI	ENGLISH	SI
MECHANICAL							
Bonding Strength	D-229	A Lengthwise Crosswise	.500 .500	2,820 lbs 2,590 lbs	12.54 kN 11.52 kN	≥2,150 lbs ≥2,150 lbs	≥9.56 kN ≥9.56 kN
Compressive Strength (Flatwise)	D-229	A	.192	36.8 ksi	253.6 MPa	NR	NR
Flexural Strength Flatwise	D-229	A Lengthwise Crosswise	.192 .192	23.2 ksi 21.9 ksi	(MPa) 160.0 151.1	NR	NR
Flexural Modulus Flatwise	D-229	A Lengthwise	.192	1.06 msi	(MPa) 7308	NR NR	NR NR
Flexural Strength Flatwise	D-229	E-96/200:T-25 Lengthwise	.192	16.6 ksi	(MPa) 114.4	NR	NR
Flexural Modulus Flatwise	D-229	E-96/200:T-25 Lengthwise	.192	.92 msi	(MPa) 6343	NR	NR
Izod Impact Edgewise Notched	D-229	E 48/50 Lengthwise Crosswise	.192 .192	8.79 ft-lbs/in 6.86 ft-lbs/in	.469 J/mm .366 J/mm	NR NR	NR NR
Tensile Strength	D-229	A Lengthwise Crosswise	.192 .192	15.7 ksi 12.6 ksi	MPa 108.2 87.1	NR	NR
PHYSICAL							
Density	D-792	A	-	.052 lbs/in^3	1.43 g/cm^3	≥.047 lbs/in^3	≥1.35g/cm^3
Rockwell Hardness	D-229	A	.125	M112	M112	NR	NR
Thermal Coefficient of Linear Expansion	D-696	A Lengthwise	.192	8.89 X 10^{-6} In/in/°F 9.08 X 10^{-6} In/in/°F	16.0 X 10^{-6} In/in/°C 16.3 X 10^{-6} In/in/°C	NR	NR
Water Absorption	D-229	E-1/105+D1-24/23	.192	.37%	.37%	NR	NR
Heat Resistance	-	Continuous 300F	.192	No Blisters	No Blisters	NR	NR
Heat Resistance	-	Short term 350F	.192	No Blisters	No Blisters	NR	NR