


Spaulding
COMPOSITES INC
ENGINEERING DATA SHEET
GRADE: SPAULDITE® MARK LAMINATE SHEET

 Reprint of: _____ Issued: 0506

Spaldite® Grade M-ARK is a tough Kevlar reinforced melamine laminate with good resistance to the effects of ammonia and hydrocarbon. Grade M-ARK has high impact and bond strength with good chemical resistance. Typical applications of grade M-ARK laminates include pump vanes, especially when a variety of liquids are to be pumped. This grade is not recommended for electrical applications.

PROPERTY CHARACTERISTICS

PROPERTY	ASTM TEST METHOD	CONDITIONING & TYPE OF TEST	THICKNESS INCHES	AVERAGE TYPICAL VALUES		SPECIFICATION VALUES	
				ENGLISH	SI	ENGLISH	SI
MECHANICAL							
Flexural Strength Flatwise	D-229	A Lengthwise Crosswise	.750	30.8 ksi	(MPa) 212.4	≥22.8 ksi	MPa ≥157.2
			.750	29.7 ksi	204.5	≥23.6 ksi	≥162.7
PHYSICAL							
Density	D-792	A	.750	.052 lbs/in ³	1.43 g/cm ³	≥.049 lbs/in ³	≥1.3g/cm ³
Rockwell Hardness	D-229	A	.750	M-104	M-104	NR	NR
Water Absorption	D-229	D1-24/23	.750	3.7%	3.7%	≤4.5%	≤4.5%
Acetone Swell Test	ESR 163	A	.250-.499	.0005	.0005	≤.002	≤.002
			.500-.750	.0003	.0003	≤.003	≤.003

"To the best of our knowledge the information contained herein is accurate; however, Spaulding Composites Company, Inc. does not accept any liability regarding the accuracy or completeness of such information. Further, such information is based on standard base material and thus may change if the product ordered by purchaser requires further processing of base material by us and/or the purchaser. Purchaser has the sole responsibility in determining the suitability of any material described herein for the use contemplated and the processing of such material by purchaser."