



**RMB 421-C  
POLYLAURYLACTAM,  
DATA SHEET**

Tensile at Yield	ASTM D-638	psi	5,500
Tensile at Break	ASTM D-638	psi	5,700
Elongation at Break	ASTM D-638	Percent	500
Flexural modulus	ASTM D-790	psi	1.7X10 <sup>5</sup>
Izod impact, Unnotched (0.21" thick)	ASTM D-256	ft-lbs/inch	No Break
Izod impact, Rev. Notched (0.21" thick)	ASTM D-256	ft-lbs/inch	No Break
Izod impact, Notched (0.21" Thick)	ASTM D-256	ft-lbs/inch	1.3
Specific Gravity	ASTM D-792		1.0-1.1
Vicat Softening Temp.	ASTM D- 1525	°C	168
Solvent Resistant	Table Available		Excellent
12 Sec. Vertical Burn	FAR 25.853 (b)		N A
60 Sec. Vertical Burn	FAR 25.853 (a)		N A
Horizontal Burn (0.065" in. thick)	FAR 25.853 (b-3)		Pass
Color			Black

RMB-421-C is a resin specifically formulated for aerospace ECS ducting. The excellent physical properties, low moisture absorption and ease of processing make RMB-421-C the ideal economical alternative for composite or metallic ducting. RMB-421-C is an approved material by Douglas Aircraft (DMS 23 10) and McDonnell Douglas, Saint Louis (MMS 5028).

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