

## A18100

FOAM GRADE: **P180-95A1**  
COLOR: BLUE

EFFECTIVE: 03-01-00  
SUPERSEDES: 11-01-99

TEST ITEM	UNIT	LIMITS	TEST METHOD
DENSITY	PCF	1.70-1.85	ASTM 3574
I.F.D. @ 4" THICK			
- 25% DEFLECTION	LBS.	90.0 – 100.0	ASTM 3574
- 65% DEFLECTION	LBS.	171.0 MIN.	ASTM 3574
SUPPORT FACTOR	RATIO	1.80 MIN.	
RECOVERY	%		
HYSTERESIS LOSS	%	45.0 MAX.	
COMPRESSION FORCE DEFLECTION	LBS.	N/A	
CONSTANT DEFLECTION COMPRESSION SET			
- 90% DEFLECTION	%	10.0 MAX.	ASTM 3574
- 50% DEFLECTION	%	5.0 MAX.	ASTM 3574
STEAM AUTOCLAVE AGING			
- COMPRESSION SET @ 50% DEFLECTION	%	N/A	
- C. F. D. LOSS @ 50%	%		
DRY HEAT AGING			
- COMPRESSION SET @ 50% DEFLECTION	%	N/A	
- C. F. D. LOSS @ 50%	%		
AIR FLOW	CFM	1.0 MIN.	ASTM 1564
RESILIENCE (BALL TEST)	%	40.0 MIN.	ASTM 3574
TENSION TEST			
- TENSILE STRENGTH	PSI	15.0 MIN.	ASTM 3574
- ULTIMATE ELONGATION GRIP SEPARATION	%	75 MIN.	ASTM 3574
TEAR RESISTANCE	PLI	1.30 MIN.	ASTM 3574
STATIC FATIGUE 75%			
- I. F. D. LOSS @ 25%	%	N/A	
- THICKNESS LOSS @ 75% COMPRESSION	%	N/A	