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## 2# EVA SPONGE

MATERIAL:	EVA		
POLYMER BASE:	ETHYLENE-VINYL ACETATE		
ASTM D-1056-68:	RE-42		
ASTM D-1056-73:	RE-42		
MIL-R-6130B. TYPE II:	GRADE B, CONDITION MEDIUM		
25% COMPRESSION DEFLECTION:	5-9 LBS/SF		
DUROMETER (SHORE 00):	45-55		
DENSITY:	2 LBS/CF		
SPECIFIC GRAVITY:	0.03 C/CC		
ULTIMATE TENSILE STRENGTH (TYPICAL):	80 LBS/PSI		
ELONGATION (TYPICAL):	100%		
ACCELERATED AGING (7 DAYS @ 158°F):			
FLEXIBILITY 180° BEND W/O CRACKING:	PASS		
APPEARANCE CHANGE:	NONE		
CHANGE IN COMPRESSION DEFLECTION:	+/-30%		
SHRINKAGE HOURS @ 158°F:	1% MAX		
WATER ABSORPTION:	2% MAX		
SERVICE TEMPERATURE:			
LOW (ASTM D-746):	-70°F		
HIGH CONTINUOUS:	220°F		
HIGH INTERMITTENT:	250°F		
COMPRESSION SET:			
(22 HRS @ 73°F, 50% DEFLECTION MAX):	25%		
REBOUND:	25-35%		
BUOYANCY:	60 LBS/CF		
K FACTOR:	0.25		
FLAMMABILITY (FMVSS 302):	4 IN/MIN		
RESISTANCE:			
ACID:	GOOD	KETONES:	FAIR
ALKALI:	FAIR	CHLORINATED SOLVENTS:	POOR
GASOLINE AND OIL:	EXCELLENT	OXIDATION:	FAIR
AROMATIC	GOOD	OZONE:	POOR
HYDROCARBONS:			

This information is furnished as a guide for selecting materials. NRC disclaims liability for results or use of this information. It is the customer's responsibility to obtain and test samples when determining suitability of material for a particular application.