



UL94-V0 NITRILE FOAM

MATERIAL SPECIFICATION SHEET

PROPERTY	AVE VALUE	UNIT
ASTM D1056-14 Classification	2B1	
Compression Deflection @ 25%	5-20	kPa
Compression Deflection @ 50%	35-65	kPa
Compression Set 23°C / 22h / 50%	<= 25	%
Compression Set 40°C / 22h / 50%	<=40	%
Density	60 - 90	Kg/m ³
Shore Hardness	10-20	OO
Tensile Strength	>=100	kPA
Elongation	>=80	%
Tear Strength	>=0.2	kN/m
Temperature Range	- 50 / +85	°C
Linear Shrinkage (after 24h @ 70°C)	<=5	%
Dimensional Stability (after 3h @ 80°C)	<=5	%
Reduction Sound Absorption (ISO 354:2003)	Up to 0.8	
Thermal Conductivity @ 0°C	0.034	W/(m-k)
Thermal Conductivity @ +20°C	0.038	W/(m-k)
Thermal Conductivity @ +40 °C	0.038	W/(m-k)
Volume Water Absorption	0.2	%
Flame Rating – DIN 4120 B1	Z-23.14-1142	
Flame Rating – BS 476 Part 6 1989	Class O	
Flame Rating UL94-VO (>3.3mm)	Yellow Card No E475316	
Environmental Protection	CFC & HCFC FREE	



ISO 9001:2015 Q93057

ISO 14001:2015 EMS 505718

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