

INSUL-SHEET  
CLOSED CELL  
NBR/PVC



Specification	Classification	Notes
ASTM D1056	2B1	Additional suffix information available upon request.
UL 94	HF-1 V-0 5VA	Listed at 3.17mm (File #: QMFZ2.E300774) Listed at 3.17mm (File #: QMFZ2.E300774) Listed at 3.17mm (File #: QMFZ2.E300774)
ASTM E84	25/50	Pass up to 2" Thickness
ASTM C534	Grade 1	Pass
Mil-P-15280J	Form S	Pass

**TECHNICAL DATA** ►

Property	Value	Test method
Polymer	NBR/PVC	
Cell structure	Closed	
Color	Black	
ASTM D1056 Classification	2B1 (C1, F1, M)	
Density	3-6 LB/FT <sup>3</sup>	ASTM D1056
25% Compression Resistance	2-4 PSI	ASTM D1056
50% Compression Set	35% Max	ASTM D1056
Tensile	30 PSI Min	ASTM D412 (DIE A)
Elongation	100% Min	ASTM D412 (DIE A)
Tear Strength	4.5 LB/IN Min	ASTM D624 (DIE C)
Water Absorption	10% Max	ASTM D1056
Fluid immersion	100% Max	ASTM D1056 (FUEL B)
Accelerated aging:		ASTM D1056
Flexibility	Pass	
Appearance change	None	
Compression deflection change	±30%	
Flammability	25/50-Rated (Up to 2")	ASTM E84
	Listed	UL 94: HF-1, V-0, 5VA
	Pass	FMVSS-302
	Pass	FAR 25.853
Temperature Use	-40°F (Flexibility)	ASTM D1056
	-297°F (Static applications)	
	+220°F	ASTM C411 (Hot surface)
Ozone Resistance	Pass	ASTM D1171
Thermal conductivity (75°F)	0.24 BTU-IN/HR-FT <sup>2</sup> -°F	ASTM C177
Water Vapor Permeability	<0.01 Perm-in	ASTM E96
Sound Absorption	0.25 (1") NRC	ASTM C423
Sound Blocking	0.13 (1") STC	ASTM E90

**K-FLEX** reserves the right to change data and technical requirements without notice.

**RANGE** ►

Size	Thickness*				Width		Roll length	
	Min (mm)	Max (mm)	Min (in)	Max (in)	Min (in)	Max (in)	Min (ft)	Max (ft)
1/8"	2.9	3.5	0.114	0.138	54.0	56.0	400.0	401.0
3/16"	4.3	5.3	0.169	0.209	54.0	56.0	200.0	201.0
1/4"	5.7	7.0	0.224	0.276	54.0	56.0	200.0	201.0
3/8"	8.6	10.5	0.339	0.413	54.0	56.0	150.0	151.0
1/2"	11.4	14.0	0.449	0.551	54.0	56.0	100.0	101.0
3/4"	17.1	21.0	0.673	0.827	54.0	56.0	50.0	51.0
1"	23.0	27.7	0.906	1.091	54.0	56.0	50.0	51.0
1-1/2"	38.1	43.2	1.500	1.701	54.0	56.0	50.0	51.0
2"	50.8	55.9	2.000	2.201	54.0	56.0	25.0	26.0

\*Sheet Thickness should be checked using a calibrated caliper.



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