

INSUL-SHEET

CLOSED CELL NBR/PVC



K-TEK ▶ INSUL-SHEET		
▼ 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
GMW 15473	Class 1, Type IV	Tensile Exception
Chrysler MSAY 516	Type 1	No Exceptions
Chrysler MSZ-75 J18	2C1	No Exceptions
Ford WSS-M99P32-C	Pass	No Exceptions
Ford WSK-M2D419-A	Type 2	No Exceptions

The K-FLEX® USA website contains the most recent version of all K-FLEX® USA literature.
Please refer to the website for current versions of K-FLEX® USA literature at www.kflexusa.com

K-TEK INSUL-SHEET ▶ 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 ³	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") Listed Pass Pass Pass	ASTM E84 UL 94: HF-1, V-0, 5VA FMVSS-302 FAR 25.853 ASTM D5132
Temperature Use	-40°F (Flexibility) -297°F (Static applications) +220°F	ASTM D1056 ASTM C411 (Hot surface)
Service temperature	-40°F to +220°F	ASTM D1056
Ozone Resistance	Pass	ASTM D1171
Thermal conductivity (75°F)	0.24 BTU-IN/HR-FT ² -°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-TEK INSUL-SHEET ▶ RANGE

Size	THICKNESS*		WIDTH		ROLL LENGTH			
	Min (mm)	Max (mm)	Min (in)	Max (in)	Min (ft)	Max (ft)		
1/8"	2.9	3.5	0.114	0.138	54.0	60.0	400.0	401.0
3/16"	4.5	5.3	0.177	0.209	54.0	60.0	200.0	201.0
1/4"	5.7	7.0	0.224	0.276	54.0	60.0	200.0	201.0
3/8"	9	10.5	0.354	0.413	54.0	60.0	150.0	151.0
1/2"	11.4	14.0	0.449	0.551	54.0	60.0	100.0	101.0
5/8"	14.3	17.5	0.563	0.689	54.0	60.0	50.0	51.0
3/4"	17.1	21.0	0.673	0.827	54.0	60.0	50.0	51.0
1"	23.0	27.7	0.906	1.091	54.0	60.0	50.0	51.0
1-1/4"	31.8	36.9	1.252	1.453	54.0	60.0	50.0	51.0
1-1/2"	38.1	43.2	1.500	1.701	54.0	60.0	50.0	51.0
2"	50.8	55.9	2.000	2.201	54.0	60.0	25.0	26.0

*Sheet Thickness should be checked using a calibrated caliper.

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