

K 41-PA
CLOSED CELL
NBR/PVC



Specification	Classification	Notes
ASTM D1056	2B1	Additional suffix information available upon request.
UL 94	HF-1	Listed at 3.0mm (File #: QMFZ2.E300774)
UL 50 & 50E	--	Suitable for enclosure types 2, 3, 3R, 3S, 4, 4X, 5, 6, and 6P (File #: JMST2.MH60641)
GMW 15473	Class 1, Type IV	Testing In Progress
Chrysler MSAY 516	Type 1	Testing In Progress
Ford WSK-M2D419-A	Type 2	Testing In Progress
Ford WSS-M99P32-C	--	Testing In Progress
Toyota TSM 1501G	Type 2C1	Testing In Progress

TECHNICAL DATA ►

Property	Value	Test method
Polymer	NBR/PVC	
Cell structure	Closed	
Color	Black	
ASTM D1056 Classification	2B1 (B1, C1, F1, M)	
Density	3-5 LB/FT ³	ASTM D1056
25% Compression Resistance	2-4 PSI Max	ASTM D1056
50% Compression Set	30% Max	ASTM D1056
Tensile	40 PSI Min	ASTM D412 (DIE A)
Elongation	100% Min	ASTM D412 (DIE A)
Tear Strength	8 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	Listed	UL 94: HF-1
	Pass	FMVSS-302
	Pass	FAR 25.853
	Pass	ASTM D5132
Service temperature	-40°F to +220°F	ASTM D1056
Ozone Resistance	Pass	ASTM D1171
Thermal conductivity (75°F)	0.25 BTU-IN/HR-FT ² -°F	ASTM C177

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
5/8"	14.3	17.5	0.563	0.689	54.0	56.0	50.0	51.0
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
1-1/4"	31.8	36.9	1.252	1.453	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

*Sheet Thickness should be checked using a calibrated caliper.



K-FLEX USA LLC 100 Nomaco Drive Youngsville, NC 27596
 Phone: 800-765-6475
 info@kflexusa.com
 www.kflexperformancefoams.com