



ENGINEERED FOAMS FROM ARMACELL



SAMPLE CARD
Technical Foams

Armacell Global Leader in Developing Engineered Foams

With globally integrated R&D and 18 manufacturing facilities worldwide, Armacell has the ability to service global markets through continuous innovation and unmatched production capacity to meet demand anywhere.

Engineered foams from Armacell

Combining 50 years of global leadership in technical foam insulation, global innovation and service for fast, tailor-made solutions.

Engineered foams from Armacell

Product	Elastomer	Thickness Range [mm]	Density DIN EN ISO 845 [kg/m³]	Temperature Range [°C]	Flammability Rating	Compression Deflection 25% ISO 6916-1	Compression Deflection 50% ISO 6916-1	Compression Set 50% DIN EN ISO 1856	
								23° C / 22h/50%	40° C / 22h/50%
AF/Armaflex	Closed cell NBR blend	3, 6, 10, 13, 16, 19, 25, 32, 50	40 - 70	-20 / + 80 (max. +105)	UL 94 V-0 FMVSS 302	5 - 20 kPa	35 - 55 kPa	≤ 25 (10*)	≤ 40 (20*)
NH/Armaflex	Closed cell NBR	3, 6, 9, 13, 16, 19, 25, 32	40 - 80	-20 / + 80 (max. +105)	UL 94 HF-1 FMVSS 302	15 - 30 kPa	60 - 80 kPa	≤ 40 (20*)	≤ 60 (35*)
HT/Armaflex	Closed cell EPDM blend	10, 13, 19, 25, 32	60 - 80	-35 / + 130 (max. +150)	UL 94 V-0 FMVSS 302	10 - 25 kPa	35 - 55 kPa	≤ 45 (35*)	≤ 60 (45*)
Ensolite NG1-130	Closed cell NBR blend	3 - 12, 25	110 - 150 (130*)	- 20 / + 80	UL 94 HF-1 FMVSS 302	20 - 50 kPa	80 - 130 kPa	≤ 15 (6mm: 8*, 25mm: 3*)	≤ 40 (6mm: 27*, 25mm: 10*)
Ensolite NG6-090	Closed cell NBR blend	3 - 12	70 - 110 (90*)	- 20 / + 80	UL 94 HF-1 FMVSS 302	25 - 55 kPa	75 - 115 kPa	≤ 20	≤ 40
Ensolite NG7-120	Closed cell NBR blend	3 - 12	100 - 140 (120*)	- 20 / + 80	FMVSS 302	40 - 70 kPa	110 - 150 kPa	≤ 20	≤ 40
Ensolite SC0-075	NBR/PVC (PVC-Nitrile)	6 - 30	55 - 85 (70*)	- 20 / + 80	FMVSS 302	2 - 5 (3,5*) kPa	6 - 12 (9*) kPa	≤ 5 (2*)	≤ 40 (18*)
Ensolite SC1-095	Semi-closed cell EPDM foam	3 - 10, 12, 15, 20	85 - 115 (95*)	- 40 / + 120	FMVSS 302	1 - 3 (2*) kPa	3 - 7 (5*) kPa	≤ 5 (2*)	≤ 40 (18*)
Ensolite SC2-130	Semi-closed EPDM foam	3 - 10, 12, 15, 20	115 - 150 (130*)	- 40 / + 120	FMVSS 302	3 - 5 (4*) kPa	6 - 10 (8*) kPa	≤ 5 (2*)	≤ 40 (18*)
Ensolite EG1-130	Closed cell EPDM blend	3-12, 25, 30	110 - 150 (130*)	- 40 / + 120	UL 94 HBF FMVSS 302	20 - 40 kPa	70 - 110 kPa	≤ 30 (20*)	≤ 50 (37*)
Ensolite EG7-175	Closed cell EPDM foam	3, 5, 7, 10, 30	150 - 200 (175*)	- 50 / + 95	FMVSS 302	45 - 65 (55*) kPa	125 - 175 (150*) kPa	≤ 25 (12*)	≤ 50 (24*)
ArmaFoam Sound 240	NBR-blend (re-engineered) open-cell	6 - 50	240	- 20 / + 105	UL 94 V-0 FMVSS 302	36 kPa	102 kPa	3	

INDUSTRIAL / AUTOMOTIVE / GASKETS

AF/Armaflex	NH/Armaflex	HT/Armaflex
Ensolite NG1-130	Ensolite NG6-090	Ensolite NG7-120
Ensolite SC0-075	Ensolite SC1-095	Ensolite SC2-130
Ensolite EG1-130	Ensolite EG7-175	SOUND
		ArmaFoam Sound 240

Product	Elastomer	Max. Thickness [mm]	Density ASTM D 1056 [kg/m³]	Temperature Range [°C]	Flammability Rating	Compression Deflection 25% ASTM D 1056 [kPa]	Compression Set 50% ASTM D 1056 [% Max.]
Ensolite IV1	PVC/NBR/CR	32	56 - 80	- 40 / + 93	UL 94 HF-1 @ 0,1 cm; V-0 @ 1,2 cm FMVSS 302	14 - 34	40
Ensolite IV2	PVC/NBR/CR	32	88 - 120	- 40 / + 93	UL 94 HF-1 @ 0,2 cm; V-0 @ 1,3 cm FMVSS 302	34 - 62	35
Ensolite IV3	PVC/NBR/CR	32	112 - 152	- 40 / + 93	UL 94 HF-1 @ 0,2 cm; V-0 @ 0,6 cm FMVSS 302	62 - 90	35
Ensolite 1800	PVC/NBR	50	72 - 136	- 40 / + 93	UL 94 HF-1 @ 0,3 cm; V-0 @ 1,3 cm FMVSS 302	14 - 34	35
Ensolite CGC / YGC	PVC/NBR	19	40 - 72	- 40 / + 93	UL 94 HBF FMVSS 302	14 - 28	40
Ensolite AHC	PVC/NBR	32	104 - 136	- 12 / + 93	UL 94 HF-1 @ 0,3 cm; V-0/5VA @ 1,3 cm FMVSS 302	48 - 62	30
Ensolite ECF 400	EPDM	30	64 - 128	- 54 / + 121	FMVSS 302	1,0 Max.	25
Ensolite ICF-400	PVC/NBR	30	56 - 88	- 40 / + 93	FMVSS 302	3 Max.	5

INDUSTRIAL / AUTOMOTIVE / GASKETS

Ensolite IV1	Ensolite IV2	Ensolite IV3	Ensolite 1800
Ensolite CGC/YGC	Ensolite AHC	Ensolite ECF 400	Ensolite ICF-400

* Average values; Technical information shown is for indicative purposes only and does not represent actual specifications.

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