

The logo for Vita, featuring the word "vita" in a bold, blue, lowercase sans-serif font.

**Cellular
Foams**

Global Innovative Solutions

Vita Cellular Foams Automotive

Automotive Foam Specifications



Vita Cellular Foams Automotive Division offers the most comprehensive foam manufacture and application service in Europe, providing customers with the ultimate in Creative Foam Technology.

We are a leading world-wide supplier of automotive polyurethane foams for interior trim applications and engineered components such as:

- Seating
- Headrests
- Headliners
- A, B & C posts
- Door panels
- Seals, gaskets and NVH
- Bonnet liners

Foam manufacturing and J.I.T facilities are available throughout the whole of Europe and Australia, and we can offer the following portfolio of technical products:

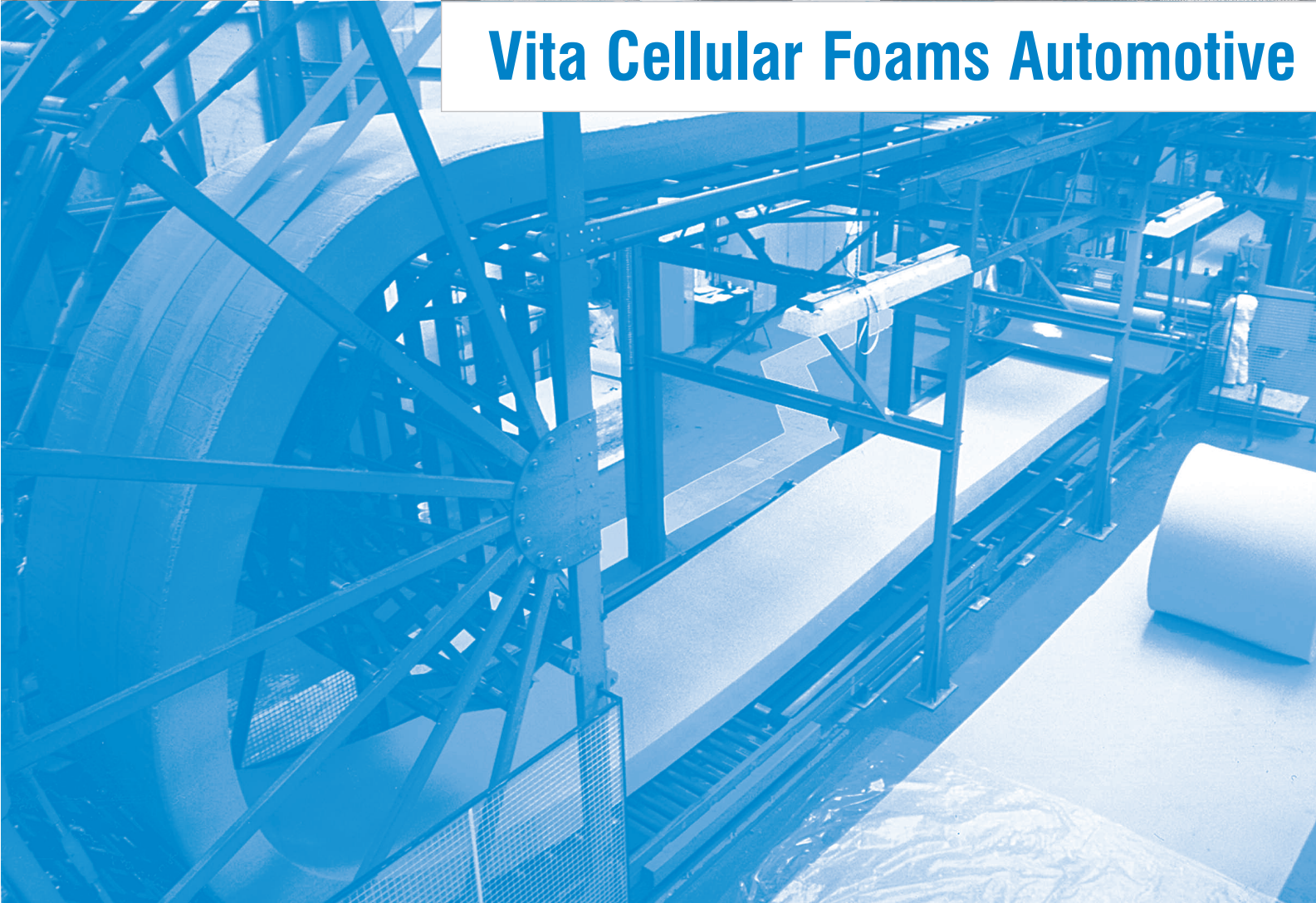
- Polyester and Polyether production
- Porosity controlled foams
- Low emission foams
- MDI foams – Novada
- Barrier foams
- Light fastness
- Ester foams with Ether performance
- Round and square Block capabilities
- Pilot plant and fully equipped laboratories

Technical expertise providing global innovative solutions for all your automotive requirements.





Vita Cellular Foams Automotive



	Nom. Density	OEM Specified	Density Kg/M ³	Tensile Strength Min.	Elongation % Min.	40% CLD Hardness/kPa	
Seating Foam							
Polyester	25.5	Volvo & Saab	23 - 28	185	190	4.3	
	28		26 - 32	160	250	2.5 - 4.5	
	28		26 - 32	160	250	2.5 - 4.5	
	28	GM	24 - 30	120	170	3.0 - 6.0	
	28		26 - 32	120	200	4.0 - 6.0	
	28	GM	26 - 32	150	250	3.0 - 4.0	
	34	PSA	31 - 37	170	150	7.3	
	34	PSA	31 - 37	170	135	7.3	
	34.5		31 - 37	225	320	4.4	
	36	Volvo & Saab	33 - 39	160	250	3.0 - 5.0	
	36	GM	33 - 39	180	250	3.6 - 5.4	
	Polyether	17	Volvo & Saab	15 - 18	80	100	1.5 - 3.0
24		22 - 26		100	120	2.5 - 4.5	
24.5		22 - 26		130	210	3.0	
26.5		24 - 30		130	200	3.3	
28		Toyota	26 - 30	100	120	2.5 - 4.5	
29			26 - 31	150	280	3.5	
30		Toyota	29 - 33	100	120	2.5 - 4.5	
33		Volvo & Saab	32 - 36	100	120	3.0 - 5.0	
37			34 - 40	100	180	3.2 - 4.8	
40			38 - 42	90	160	4.1 - 5.5	
42			39 - 45	90	100	6.5 - 12.0	
43.5			40 - 46	300	150	10	
Headliner Foam							
Polyester		*HLF_	Ford	26 - 32	150	200	3.0 - 5.0
	22	GM	19 - 27	100	250	3.0 - 5.0	
	28	Ford	26 - 32	120	200	4.0 - 6.0	
	28		26 - 32	120	250	3.0 - 5.0	
	28	GM	26 - 32	150	250	3.0 - 4.0	
	36		33 - 39	160	250		
	36	Volvo & VW	33 - 39	160	250	3.5 - 5.5	
Polyether	**P28	Ford	27 - 32	120	120	4.0 - 6.0	
	28		26 - 30	90	130	4.0 - 5.0	
	33		30 - 36	120	100	5.9 - 7.0	
	42		39 - 45	90	250	>=6.5	
Headrest, Bolsters & Arm Rests							
Polyester	45		35 - 50	100	150	3.0 - 5.0	
Polyether	33		30 - 36	120	100	5.9 - 7.0	
	40		38 - 42	90	160	4.1 - 5.5	
	42		39 - 45	90	100	6.5 - 12.0	
	48		44 - 50	90	100	6.5 - 12.0	
	58		54 - 60	120	150	5.3 - 7.1	
	78		74 - 80	120	150	8.2 - 11.2	
Door Panels							
Polyester	55		50 - 60	120	200	4.0 - 6.0	
	70		65 - 75	120	200	5.0 - 7.0	
Polyether	28		26 - 30	100	120	2.5 - 4.5	
	36		33 - 39	180	320	3.5	
	37		34 - 40	110	200	3.2 - 4.8	
	77		74 - 80	120	150	8.2 - 11.2	

A range of colours are available subject to availability and minimum quantities. Vita Cellular Foams reserve the right to update specifications without prior

Cell Count	FR Version	Porosity Controlled	Other Key Characteristics
20 per cm Medium Medium Medium Medium 36 per cm 36 per cm 20 per cm Medium Medium	Tested on laminates FMVSS302 FMVSS302 FMVSS302 FMVSS302 FMVSS302 Tested on laminates FMVSS302 FMVSS302 FMVSS302 FMVSS302 FMVSS302 FMVSS302 FMVSS302 FMVSS302 FMVSS302 FMVSS302	GM Porosity Textest Porosity Closed cell Closed cell GM Porosity BS 4443 BS 4443 BS 4443 BS 4443 Din Porosity	GM Odour Ford Odour Novada FA-FR Novada GP Ford Fogging GM Odour Improved FR High Hardness
Fine Medium Medium Medium Medium Fine Medium	FMVSS302 FMVSS302 FMVSS302 FMVSS302	# # # # # #	Die Cuttable Ford Odour Die Cuttable Volvo / Saab Fogging Metzotex NT
Fine	FMVSS302 FMVSS302 FMVSS302 FMVSS302 FMVSS302 FMVSS302	GM / Ford Porosity Din Porosity Din Porosity	Die Cuttable Metzotex NT
Fine Fine	FMVSS302 FMVSS302 FMVSS302 FMVSS302	BS 4443	Ford & GM Odour Volvo & VW Gravimetric Fogging

Vita Cellular Foams are laminated to various textiles for seating upholstery giving added stability and aesthetic appeal to the finished seat. Our products are developed for and specified by all OEMs. We can also supply for the latest seating technologies such as TEM-10, Unibond, Surebond and Kaptex.

* Physical properties prior to post-treatment.

Porosity specifications available on request.

Vita Cellular Foams can supply flexible PU foams for substrates used on the headliner in both wet and dry conditions during the typical one shot and two shot process.

**Polyether with polyester like characteristics.

Vita Cellular Foams can supply porosity controlled foams for pour in place applications.

Polyurethane foam is a vital component in the production of automotive door panels.

Vita Cellular Foams high density foams are specifically designed for high temperatures and pressures under which foam is moulded.

	Nom. Density	OEM Specified	Density Kg/M ³	Tensile Strength Min.	Elongation % Min.	40% CLD Hardness/kPa
A, B & C Posts & Parcel Shelves						
Polyester	55	Ford & GM	50 - 60	120	200	4.0 - 6.0
	70	Ford	65 - 75	120	200	5.0 - 7.0
Polyether	47		44 - 52	100	150	4.0 - 6.0
Boot Liners						
Rebond						
NVH						
Polyester	24		20 - 26	120	150	4.0 - 7.0
	34	Volvo & VW	28 - 38	100	120	3.5 - 5.0
Polyether	22		20 - 24	80	120	2.0 - 4.0
Seals & Gaskets						
Polyester	32		29 - 35	100	150	2.5 - 4.5
	34	Volvo & VW	28 - 38	100	120	3.5 - 5.0
	34	PSA	31 - 37	170	130	7.3
	45		35 - 50	100	150	3.0 - 5.0
Polyether	28	Ford	24 - 30	100	120	2.5 - 4.5
	70		65 - 80	100	80	10.0 - 20.0
Low Emission Polyethers						
Polyether Acoustical Seating	32	Daimler Chrysler	29 - 35	130	170	3.4
Polyether Seating	38	Daimler Chrysler	35 - 42	150	180	4.3
Polyether Seating Heavy Duty	40.5	Daimler Chrysler	37 - 43	160	180	4.7
Polyether Headliner, Armrest, Door Panel	40.5	Daimler Chrysler	37 - 45	190	170	7.7
Polyether Headliner, ABC Pillar, Door Panel	50	Daimler Chrysler	45 - 54	145	180	5.0

A range of colours are available subject to availability and minimum quantities. Vita Cellular Foams reserve the right to update specifications without prior

Cell Count	FR Version	Porosity Controlled	Other Key Characteristics	
Fine	FMVSS302		Ford & GM Odour	
Fine			Volvo & VW Gravimetric Fogging BS4443	
Coarse	FMVSS302 FMVSS302		Die Cuttable	
Medium			Die Cuttable	
Coarse	UL94 (HF1)	Die Cuttable	Die Cuttable	
Medium	FMVSS302			
36 per cm	FMVSS302		Closed Cell	Q-Seal
Fine	FMVSS302		Ford Porosity	Die Cuttable
	FMVSS302		BS4443	Ford Odour
	FMVSS302		Lo-M 3335F- Low Emission Meets DC Standards DBL 5450 / 8585	
	FMVSS302		Lo-M 3845F- Low Emission Meets DC Standards DBL 5450 / 8585	
	FMVSS302		Lo-M 4245F- Low Emission Meets DC Standards DBL 5450 / 8585	
	FMVSS302		Lo-M 4275F- Low Emission Meets DC Standards DBL 5450 / 8585	
	FMVSS302		Lo-M 5550F- Low Emission Meets DC Standards DBL 5450 / 8585	

Range of flame laminatable peeled foam, along with blocks and sheets are available.

Vita Cellular Foams can supply converted foam products to meet all current automotive specifications.

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