

ACRYLICFOAM® LP

ACRYLICFOAM® is a closed-cell rigid PMI (Polymethacrylimide) foam, which used as the core of lightweight sandwich structure.

LP is an improved and economic grade. It is suitable for low-medium temperature curing epoxy resin system and suitable (based on density) for various curing processes (Autoclave, vacuum infusion, RTM, VARTM, VARI, HP-RTM, etc.). It also can be easily thermoformed or CNC machined. The design of the cells in this grade and the closed cell structure of the foam ensure a good balance between peel strength and product weight when building sandwich structure parts.

TYPICAL PROPERTY VALUES

ACRYLICFOAM® LP-MC

MC is a medium cell structure, which can get a good balance between peel strength and light weight requirements.

Properties	Unit	31 LP-MC	51 LP- MC	71 LP- MC	110 LP- MC	Standard
Troperties		32	52	75	110	ISO 845
Density	kg/m³					
	lbs/ft3	2	3.25	4.68	6.87	ASTM D1622
Compressive	MPa	0.4	0.9	1.6	3.4	ISO 844
Strength	psi	58.01	130.53	232.06	493.13	ASTM D1621
Tensile	MPa	1	1.9	2.3	3.4	ISO 527-2
Strength	psi	145.04	275.57	333.59	493.13	ASTM D638
Shear	MPa	0.4	0.8	1.3	2.4	DIN 53294
Strength	psi	58.01	116.03	188.55	348.09	ASTM C273
Elastic	MPa	33	65	90	152	ISO 527-2
Modulus	psi	4786.24	9427.45	13053.40	22045.74	ASTM D638
Shear	MPa	14	22	33	57	DIN 53294
Modulus	psi	2030.53	3190.83	4786.24	8267.15	ASTM C273
Elongation	%	3.5	3.5	3.5	3.5	ASTM D638
at Break						
HDT	°C	165	165	165	165	DIN 53424
	°F	329	329	329	329	

The above technical data are typical values at nominal densities

地址: 上海市嘉定区恒永路 328 弄 39 号楼 302 室 WEB: www.archcell.net ADD: Building 39, Room302 ,328 Heng Yong Road, Jiading District, Shanghai TEI: +86 13916212034 FAX: +86 21 52713562 Email: pei.hu@archcell.net





Sales Range

Grade	Size (mm)	Standard Sheet Thickness (mm)	Possible Sheet Thickness (mm)
31 LP	2500*1250	100	1-145mm
51 LP	2500*1250	90	1-130mm
71 LP	2500*1250	80	1-115mm
110 LP	2160*1100	70	1-100mm

Thickness tolerance ± (0.5mm), others are available upon request

Disclaimer

Our technical advice on the applications of our products is given without obligation. The buyer is responsible for their use and processing, and is also liable for observing any third-party rights.

Technical data concerning our products are typical values. Subject to alteration. ACRYLICFOAM® is a registered trademark of ARCH Industrial (HK) Limited.