



High Performance ARCHCELL® PMI Foam

	Medium Temperature			High Temperature			Ultra High Temperature			Functional PMI Foam			
Density	MT-FC	MT-MC	MT-CC	HT-FC	HT-MC	HT-CC	UT-FC	UT-MC	UT-CC	WP	WA	FR	IR
(kg/m³)	Fine Cell	Medium Cell	Coarse Cell	Fine Cell	Medium Cell	Coarse Cell	Fine Cell	Medium Cell	Coarse Cell	Wave Permeability	Wave Absorbing	Flame Retardant	Impact Resistant
31	31MT-FC	31MT-MC	31MT-CC							31WP			
51	51MT-FC	51MT-MC	51MT-CC	51HT-FC	51HT-MC	51HT-CC				51WP		51FR	
71	71MT-FC	71MT-MC	71MT-CC	71HT-FC	71HT-MC	71HT-CC	71UT-FC	71UT-MC	71UT-CC	71WP	71WA	71FR	71IR
110	110MT-FC	110MT-MC	110MT-CC	110HT-FC	110HT-MC	110HT-CC	110UT-FC	110UT-MC	110UT-CC		150WA	110FR	110IR
200						200HT-CC							
Heat Deflection	180°C	180°C	180°C	200°C	200°C	200°C	240°C	240°C	240°C	180°C		180°C	
Coordination Resin System	Low Viscosity Resin	Medium Viscosity Resin	High Viscosity Resin	Low Viscosity Resin	Medium Viscosity Resin	High Viscosity Resin	Low Viscosity Resin	Medium Viscosity Resin	High Viscosity Resin	Medium /low viscosity resin system	Customized	Medium/ low viscosity resin system	Medium/ low viscosity resin system
Curing Conditions	Medium temperature curing epoxy system	Medium temperature curing epoxy system	Medium temperature curing epoxy system	High temperature curing epoxy system	High temperature curing epoxy system	High temperature curing epoxy system	Bismaleimide Resin	Bismaleimide Resin	Bismaleimide Resin	Medium temperature curing epoxy system	Bismaleimide or epoxy system	Medium temperature curing epoxy system	High temperature curing epoxy system
Application	Fish float, Medical, Wind Blades, Automobile	Medical, Sports, Automobile	Sports, Automotive	Mobile device speaker, Aerospace	Aerospace	Aerospace	Aerospace	Aerospace	Aerospace	Radar Antenna Medical	Stealth	Interior	Parts needs impact resistance

High temperature and ultra-high temperature grades: heat treatment available, it can withstand the curing pressure of 7 bar.

Customized products available: thickness, density, temperature resistance, pore size and fracture performance can be modified, and foamable PMI particles also available.

Density	Max Size
(kg/m³)	(mm)
31	2500*1250*110
51	2500*1250*90
71	2500*1250*80
110	2160*1100*70
200	1900*900*60

Correspondence			
	MT-FC		UT-FC
IG-F	MT-MC		UT-MC
IG	MT-CC	XT	UT-CC
RIMA	HT-FC	HF	WP
RIST	HT-MC	EC	WA
WF	HT-CC	S	FR
		HERO	IR

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