





# Standard Construction Guide

## IMPORTANT NOTICE

For the remainder of 2023 Insulectro will expedite at our cost EMC EM-827i, EM-370Z, EM-528 and EM-890K for new programs.

PumaFast™ & Standards
effective 11/11/2023

If you have not been introduced to the Insulectro Portal to check inventory of these materials please work with your Insulectro TAM or ISM to sign you up today for access to this Inventory Portal.

# **EM-827(I)**



## **LAMINATE**

## **EM-827(I) LAM**

Effective Date: 10/27/2023

	■Pumafast	■Standard
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	.0020 .0025 .0030 .0035 .0040 .0045	0106x1 1067x1 1080x1 1037X2 3313x1 3313x1 2116x1 1080x2	BSE BSE BSE BSE BSE BSE BSE	•	•		•	•
	.0030 .0035 .0040 .0045	1080x1 1037X2 3313x1 3313x1 2116x1	BSE BSE BSE BSE	•	•		•	•
	.0035	1037X2 3313x1 3313x1 2116x1	BSE BSE BSE	•	•		•	_
	.0040	3313x1 3313x1 2116x1	BSE BSE	•	_			•
	.0040	3313x1 2116x1	BSE		•			
	.0045	2116x1		•			•	•
			BSE		•		•	•
	.0050	1080x2		•	•		•	•
	.0050		BSE	•	•		•	•
		2116x1	BSE	•	•	•	•	•
	0000	1080x2	BSE	•				
	.0060	1500x1	BSE	•	•	•	•	•
	.0070	2113x2	BSE	•	•		•	•
		2116x2	BSE	•	•		•	•
	.0080	7628x1	BSE	•	•		•	•
EM-827(i)	.0100	2116x2	BSE	•	•		•	•
	.0120	1500x2	BSE	•	•		•	•
	.0140	7628x2	BSE	•	•	•	•	•
	.0160	7628x2	BSE	•	•		•	•
	.0180	7628x2 1080x1	BSE	•	•		•	•
	.0210	7628x3	BSE	•	•		•	•
	.0240	7628x3	BSE	•	•		•	•
	.0280	7628x4	BSE	•	•		•	•
	.0310	7628x4	BSE	•	•		•	•
	.0350A	7628x4	OVR	•	•		•	•
	.0390A	7628x5	OVR	•	•		•	•
	.0470A	7628x6	OVR	•	•		•	•
	.0490A	7628x6 2116x1	OVR	•	•		•	•
		7628x7	OVR		-			
	.0590A		OVII				•	

# **EM-370(Z)**



## **LAMINATE**

### **EM-370(Z) LAM**

**Effective Date: 10/27/2023** 

■Standard

Grade	Thickness	Construction	Base/Overall	S1/S1	S1/SH	S2/S1	S2/S2	SH/SH
	.0020	1067x1	BSE	•	•		•	•
	.0025	1078x1	BSE	•	•	•	•	•
	.0030	1086x1	BSE	•	•		•	•
	.0035	1037x2	BSE	•	•	•	•	•
	.0035	3313x1	BSE	•	•		•	•
	.0040	0106x2	BSE	•	•	•	•	•
	.0040	3313x1	BSE	•	•		•	•
	.0042	2116x1	BSE	•	•	•	•	•
	.0045	1067x2	BSE	•	•		•	•
EM-370(Z)		1067x2	BSE	•	•		•	•
EIVI-370(Z)	.0050	1078x2	BSE	•	•		•	•
		2116x1	BSE	•	•	•	•	•
	.0060	1086x2	BSE	•	•	•	•	•
	.0080	3313x2	BSE	•	•		•	•
	.0100	2116x2	BSE	•	•		•	•
	.0140	7628x2	BSE	•	•		•	•
	.0150	7629x2	BSE	•	•	•	•	•
	.0210	7628x3	BSE	•	•		•	•
	.0280	7628x4	BSE	•	•		•	•
	.0590A	7628x4 7629x4	OVR	•	•		•	•

Standard Sheet Size: 49.2 x 37.2G

Alternate sizes stocked based on usage. Please reach out to your Technical Account Manager or Inside Sales Manager for details.

## **EM-528**



## **LAMINATE**

#### **EM-528 LAM**

Effective Date: 10/27/2023

		■Standard						
Grade	Thickness	Construction	Base/Overall	S1/S1	S1/SH	S2/S1	S2/S2	SH/SH
	.0020	1035x1	BSE	•	•		•	•
	.0025	1078x1	BSE	•	•		•	•
	0000	1037x2	BSE	•	•	•	•	•
	.0030	1086x1	BSE	•	•		•	•
	0005	1037x2	BSE	•	•	•	•	•
	.0035	1086x1	BSE	•	•		•	•
	00.40	1035x2	BSE	•	•	•	•	•
	.0040	3313x1	BSE	•	•		•	•
EM-528	.0045	1035x2	BSE	•	•		•	•
	0050	1078x2	BSE	•	•	•	•	•
	.0050	2116x1	BSE	•				•
	.0060	1078x2	BSE	•	•	•	•	•
	.0080	3313x2	BSE	•	•		•	•
	.0120	3313x3	BSE		•		•	•

BSE

BSE

BSE

2116x4

7628x3

7628x4

.0200

.0210 .0280

Standard Sheet Size: 49.2 x 37.2G

Alternate sizes stocked based on usage. Please reach out to your Technical Account Manager or Inside Sales Manager for details.

## **EM-890**



## **LAMINATE**

#### **EM-890 LAM**

■Standard

Effective Date: 10/27/2023

		■Standard					
Grade	Thickness	Construction	Base/Overall	S1/S1	S1/SH	S2/S2	SH/SH
	.0020	1035x1	BSE	•	•	•	•
	.0025	1078x1	BSE	•	•	•	•
	.0030	1037x2	BSE	•	•	•	•
	.0030	1078x1	BSE	•	•	•	•
	0025	1037x2	BSE	•	•	•	•
	.0035	1078x1	BSE	•	•	•	•
EM-890	.0040	1035x2	BSE	•	•	•	•
EMI-090	.0040	3313x1	BSE	•	•	•	•
	.0050	1078x2	BSE	•	•	•	•
	.0050	2116x1	BSE	•	•	•	•
	.0060	1078x2	BSE	•	•	•	•
	.0080	3313x2	BSE	•	•	•	•
	.0120	3313x3	BSE	•	•	•	•
	.0200	2116x4	BSE	•	•	•	•

Standard Sheet Size: 49.2 x 37.2G

Alternate sizes stocked based on usage. Please reach out to your Technical Account Manager or Inside Sales Manager for details.

**EM-890K** 

**EM-890K LAM** 

**LAMINATE** 

Effective Date: 10/27/2023

		<b>■</b> Standard					
Grade	Thickness	Construction	Base/Overall	S1/S1	S1/SH	S2/S2	SH/SH
	.0020	1035x1	BSE	•	•	•	•
	.0025	1078x1	BSE	•	•	•	•
	.0030	1027x2	BSE	•	•	•	•
	.0030	1078x1	BSE	•	•	•	•
	.0035	1037x1	BSE	•	•	•	•
	.0035	1078x1	BSE	•	•	•	•
	.0040	1035x2	BSE	•	•	•	•
EM-890K	.0040	3313x1	BSE	•	•	•	•
EM-09UK	.0045	1035x2	BSE	•	•	•	•
	.0050	1078x2	BSE	•	•	•	•
	.0050	2116x1	BSE	•	•	•	•
	.0060	1078x2	BSE	•	•	•	•
	.0080	3313x2	BSE	•	•	•	•
	.0120	3313x3	BSE	•	•	•	•
	.0200	2116x4	BSE	•	•	•	•
	.0280	2116x7	BSE	•	•	•	•

Standard Sheet Size: 49.2 x 37.2G



**Effective Date: 10/27/2023** 

■Pumafast ■Standard

		Pumafast	■Stand	dard		
	Resin System	EM-37B(Z)	EM-528B	EM-827B(I)	EM-890B	EM-89BK
Glass Style	Resin Content					
	72% rc%			•		
0106	73% rc%	•				
0100	74% rc%			•		
	75% rc%	•				
1027	69% rc%		•			
1021	71% rc%		•			
	73% rc%				•	•
1035	75% rc%		•		•	•
	77% rc%		•			•
1037	75% rc%	•	•	•		
	71% rc%	•				
1067	73% rc%	•				
	75% rc%	•				
	65% rc%	•				
1078	67% rc%	•	•		•	•
1070	69% rc%	•			•	•
	71% rc%				•	•
	62% rc%			•		
	65% rc%	•	•	•		•
	67% rc%		•			
1080	68% rc%			•		
	69% rc%	•				
	71% rc%	•		•		
	75% rc%	•				
1086	65% rc%			•		
1000	67% rc%	•				
2113	58% rc%			•		
2116	53% rc%			•		
2.10	55% rc%	•		•		



.1250

1080x2 7628x18



## **LAMINATE**

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#### **AR-85N LAM**

					Standa											
Grade	Thickness	Construction	Base/Overall	C1/CQ	CH/CQ	H1/H1	H2/CQ	HH/HH	HH/HT	P1/P1	S1/S1	S1/SH	S2/S1	S2/S2	S2/SH	SH/SH
	.0020	0106x1	BSE		•						•	•		•		•
	.0025	1080x1	BSE								•	•		•		•
	.0028	1080x1	BSE								•	•		•		•
	.0030	1080x1	BSE						•		•	•		•		•
	.0035	0106x2	BSE								•	•		•		•
	.0040	0106x1 1080x1	BSE					•			•	•	•	•		•
	.0042	0106x1 1080x1	BSE								•	•		•	•	•
	.0045	0106x1 1080x1	BSE	•	•		•				•	•		•		•
	.0050	0106x1 2313x1	BSE			•		•			•	•	•	•		•
	.0060	0106x1 2116x1	BSE								•	•	•	•		•
	.0080	2313x1 2116x1	BSE			•					•	•		•	•	•
	.0100	1080x2 2116x1	BSE								•	•	•	•		•
		1080x1 2116x2	BSE								•	•		•		•
	.0120	1080x2 7628x1	BSE								•	•		•		•
85N		1080x2 2116x2	BSE								•	•		•		•
		7628x2	BSE								•	•		•		•
	.0160	1080x1 7628x2	BSE								•	•		•		•
	.0180	1080x2 7628x2	BSE							•	•	•		•		•
	.0200	1080x2 2116x3	BSE								•	•		•		•
		1080x2 2116x3	BSE								•	•		•		•
	.0210	2116x2 7628x2	BSE								•	•		•		•
	.0240	1080x2 7628x3	BSE								•	•		•		•
	.0280	0106x2 2116x2 7628x2	BSE								•	•	•	•		•
	.0310	0106x2 7628x4	BSE								•	•		•		•
	.0390	1080x2 7628x5	BSE								•	•		•		•
	.0590	1080x2 7628x8	BSE								•	•		•		•
	.0620	1080x3 7628x8	BSE								•	•		•		•
	.0930	1080x2 7628x13	BSE								•	•		•		•
					-	-					-	_		-		-

Standard Sheet Size: 36.5 x 48.5G
Alternate sizes stocked based on usage. Please reach out to your Technical Account Manager or Inside Sales Manager for details.





## **LAMINATE**

#### **AR-85HP LAM**

Effective Date: 10/27/2023

**■**Standard

Grade	Thickness	Construction	Base/Overall	S1/S1	S1/SH	S2/S1	S2/S2	S2/SH	SH/SH
	.0025	1086x1	BSE	•	•		•		•
	.0030	1086x1	BSE	•	•		•		•
	0000	1067x2	BSE	•	•		•		•
	.0033	1086x1	BSE	•	•		•		•
	.0035	3313x1	BSE	•	•		•		•
	00.40	1067x1 1086x1	BSE	•	•	•	•		•
	.0040	2116x1	BSE	•	•		•		•
	.0045	1067x1 1086x1	BSE	•	•		•		•
OFLID	.0050	1086x2	BSE	•	•	•	•	•	•
85HP	0000	1067x1 2116x1	BSE	•	•		•		•
	.0060	1086x2	BSE	•	•	•	•	•	•
	.0080	3313x1 2116x1	BSE	•	•	•	•		•
	.0100	1086x2 2116x1	BSE	•	•	•	•		•
	.0140	2116x3	BSE	•	•		•		•
	.0180	1506x3	BSE	•	•	•	•		•
	.0200	1086x1 1506x3	BSE	•	•	•	•		•
	.0390	3313x1 1506x6	BSE	•	•		•		•
	.0590	1506x10	BSE	•	•		•		•

Standard Sheet Size: 36.5 x 48.5G

Alternate sizes stocked based on usage. Please reach out to your Technical Account Manager or Inside Sales Manager for details.



#### **ARLON PREPREG**

Effective Date: 10/27/2023

							umafast	■Stand	ard						
	Resin System	AR-33N	AR-35N	AR-37N	AR-38N	AR-44N	AR-45N	AR-47N	AR-49N	AR-51N	AR-84HP	AR-84N	AR-85HP	AR-85N	AR-85NT
Glass Style	Resin Content														
	66% rc (100 - 130 mils)%			•											
	66% rc (38inch roll)%				•										
	66% rc (50inch roll)%				•										
0106	66% rc%			•						•					
	72% rc%	•	•							•				•	
	75% rc%						•								
	80% rc (HF) (50 inch roll)%											•			
	80% rc%					•					•				
1067	70% rc%												•		
	60% rc (4-8% mil flow)%			•											
	60% rc (100-130 mils)%			•											
	60% rc (38inch roll)%				•										
	60% rc (50inch roll)%				•										
1080	63% rc%	•	•											•	
1000	65% rc (.030090 inch flow)%							•							
	65% rc (.030090 in flow) (38%								•						
	65% rc (.050100 inch flow)%							•							
	65% rc%						•			•					
1086	63% rc%												•		
2116	50% rc%		•											•	
2110	54% rc%												•		
2313	55% rc%	•	•											•	
3313	58% rc%												•		
7628	40% rc%													•	
E230	49% rc%														•