

# Panasonic Electric Works Electronic Materials Europe Specification Sheet

<b>Product Name:</b> UL-Designation	<b>Laminate: R-5775K</b> R-5775	<b>Prepreg: R-5670K</b> R-5670
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1.Laminate		Units	Typical values	Test methode JIS (or as noted)
<b>Physical property</b>				
Peel strength	18µm ( A )	N/mm	1,1	JIS-C-6481
Moisture absorption		%	0,18	JIS-C-6481
Flexural strength		N/mm <sup>2</sup>	420	IPC-TM-650 2.4.4
Flammability		-	V-0	UL 94
CTE (pre/after Tg)		ppm/°C	45 / 260	IPC-TM-650 2.4.24
<b>Electrical property</b>				
Volume resistivity	C-96/20/65	MΩ-cm	5,00E + 09	JIS-C-6481
	C-96/40/90		1,00E + 09	
Surface resistivity	C-96/20/65	MΩ	5,00E + 08	
	C-96/40/90		1,00E + 08	
Permittivity	at 2 GHz	-	3,5	IPC-TM-650 2.5.5.5
Loss tangent	at 2 GHz	-	0,002	
Electric Strength	D-48/50 + D-0,5/23	V/mil	-	IPC-TM-650 2.5.6.2
<b>Thermal Property</b>				
Thermal stress, minimum	260°C soldering > 120 sec	-	pass	
Tg by DMA		°C	210	

**Note:**

Test data contained in this data sheet represents typical values and does not constitute any warranty or guarantee. For review of critical specification tolerances, please contact a Matsushita Electric Works representative. Matsushita Electric Works reserve the right to change these typical values as a natural process of referring our test equipment and technics.