

SUMITOMO BAKELITE CO., LTD.

**SUMIKON<sup>®</sup>**

Document No. 071896  
EME-G770H Type D

MULTI-AROMATIC RESIN  
Br/Sb FREE  
FOR Pb FREE PKG  
LOW WARPAGE

## EME-G770H Type D

### TYPICAL PROPERTIES:

<u>ITEM</u>	<u>TEST METHOD</u>	<u>UNIT</u>	<u>VALUES</u>
SPIRAL FLOW	SB-U-03-003	cm	120
GEL TIME (at 175°C)	SB-U-03-005	sec	35
THERMAL EXPANSION $\alpha_1$	SB-U-02-002	X 10 <sup>-5</sup> 1/°C	0.7
THERMAL EXPANSION $\alpha_2$	SB-U-02-002	X 10 <sup>-5</sup> 1/°C	3.4
Tg	SB-U-02-002	°C	130
THERMAL CONDUCTIVITY	SB-U-02-004	W/m •°C	100x 10 <sup>-2</sup>
FLEXURAL STRENGTH	SB-U-01-001	N/ mm <sup>2</sup>	
(at 25°C)			190
(at 260°C)			27
FLEXURAL MODULUS	SB-U-01-002	X 10 <sup>2</sup> N/mm <sup>2</sup>	
(at 25°C)			270
(at 260°C)			8.0
SPECIFIC GRAVITY	SB-U-03-018	-----	2.03
VOLUME RESISTIVITY	SB-U-00-004	$\Omega$ - cm	1 x 10 <sup>11</sup>
(at 150°C)			
UL FLAME CLASS	SB-U-03-003	UL-94	V-0
WATER ABSORPTION	SB-U-03-002	% weight gain	0.15
(boiling, 24 h)			
EXTRACTED Na <sup>+</sup>	SB-U-04-043	ppm	1
EXTRACTED Cl <sup>-</sup>	SB-U-04-043	ppm	5

TYPICAL, NOT GUARANTEED PROPERTIES

### MOLDING AND POST MOLD CURE CONDITIONS:

	<u>STANDARD</u>	<u>RANGE</u>
TRANSFER PRESSURE	80 x 10 <sup>5</sup> Pa	70-120 x 10 <sup>5</sup> Pa
MOLD TEMPERATURE	180°C	175-185°C
CURE TIME (C or A)#	A/90 sec	70-120 sec
POST-MOLD CURE TEMP	175°C	170-180°C
POST-MOLD CURE TIME	6 h	2-8 h

#Conventional or Auto

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**SUMITOMO BAKELITE CO., LTD.**

Tennoz Parkside Building, 5-8 Higashi-Shinagawa, 2-Chome Shinagawa-ku, Tokyo 140, Japan