



## E 264H

**Description** E 264H is a high strength, long fiberglass reinforced epoxy molding compound, which features improved flow in transfer molding.

**Available colors** Natural

**Available molding grades** Compression, Transfer

**Form** Coarse Flake



Properties		International Units		English Units		Method	
Physical	Specific Gravity	<b>1.82</b>		<b>1.82</b>		ASTM D792	
	Apparent (Powder) density	-	g/cm <sup>3</sup>	-	lb/gal	ASTM D1895	
	Molding shrinkage	<b>0.09</b>	%	<b>0.0009</b>	in/in	ASTM D955	
	Post shrinkage	-	%	-	in/in	ASTM D955	
	Water absorption		%		%	ASTM D570	
	24 hour	-		-		ASTM D570	
	48 hour	<b>0.15</b>	%	<b>0.15</b>	%	ASTM D570	
Thermal	Temperature of deflection under load		°C at 1.8 MPa		°F at 264 psi	ASTM D648A	
		As Molded	-	-	-	ASTM D648A	
		Post Baked	<b>&gt; 282</b>	°C at 1.8 MPa	<b>&gt;540</b>	°F at 264 psi	ASTM D648A
	Thermal Conductivity	-	W/mK	-	W/mK	ASTM C518	
	UL Temperature Index	-	°C	-	°F	UL 746B	
	UL-flammability					UL 94	
	3.2 mm	-		-		UL 94	
	1,6 mm	-		-		UL 94	
Mechanical	Coefficient of linear thermal expansion		10 E-6/°C		10 E-6/°F	ASTM E831	
		parallel	-	-	-	ASTM E831	
		perpendicular	-	10 E-6/°C	-	10 E-6/°F	ASTM E831
	Flexural strength	<b>235</b>	MPa	<b>34,000</b>	psi	ASTM D790	
	Flexural modulus	<b>20</b>	GPa	<b>2.9</b>	Mpsi	ASTM D790	
	Tensile strength	<b>94</b>	MPa	<b>13,500</b>	psi	ASTM D638	
	Izod impact strength, notched	<b>728</b>	J/m	<b>13.5</b>	ft lb/in	ASTM D256A	
Compressive strength	<b>203</b>	MPa	<b>29,500</b>	Psi	ASTM D695		
Rockwell Hardness	M Scale	<b>105</b>		<b>105</b>		ASTM D785	
	E Scale	-		-		ASTM D785	
Electrical	Dielectric Constant, 1 MHz, wet	<b>3.7</b>		<b>3.7</b>		ASTM D150	
	Dissipation Factor, 1 MHz, wet	<b>0.01</b>		<b>0.01</b>		ASTM D150	
	Arc Resistance	<b>125</b>	Seconds	<b>125</b>	Seconds	ASTM D495	
	Dielectric strength, 60 Hz	<b>17.5/-</b>	kV/mm	<b>450/-</b>	V/mil	ASTM D149	
		ST, dry/wet	<b>15.0/-</b>	kV/mm	<b>380/-</b>	V/mil	ASTM D149
		SS, dry/wet	<b>15.0/-</b>	kV/mm	<b>380/-</b>	V/mil	ASTM D149
Tracking resistance	-	V	-	V	ASTM D3638 (IEC 112)		

Properties measured on compression molded ASTM specimens. Values are typical, not statistical minimums.

Contact your Sumitomo Bakelite representative for specifications and post baking recommendations.

ST = short time. SS = step-by-step. Wet = immersed in H<sub>2</sub>O for 48 hrs. at 50 °C prior to testing.

Certification to ASTM D-5948 requires batch testing. All testing in accordance with ASTM D-5948. ASTM D-5948 supersedes MIL-M-14.

RoHS: E 264H is in compliance with RoHS2 (2011/65/EU, Restriction of Hazardous Substances).

PFOS: E 264H does not contain perfluorooctansulfonate (PFOS) according to European Directive 2006/122/EC.

REACH/SVHC : E 264H does not contain any Substances of Very High Concern (SVHC) as listed on the candidate list published by ECHA..

Revision Date: 7/3/2014. Shelf life 6 months when stored at 40 °F maximum.

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