

Sumitomo Epoxy E 264H

Epoxy; Epoxide

Sumitomo Bakelite North America, Inc.

Message:

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

General Information			
Filler / Reinforcement	Glass Fiber		
Features	Good Flow		
	High Strength		
Appearance	Natural Color		
Forms	Flakes		
Processing Method	Compression Molding		
	Resin Transfer Molding		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.82	g/cm ³	ASTM D792
Apparent Density	0.25	g/cm ³	ASTM D1895
Molding Shrinkage - Flow (Compression Molded)	0.090	%	ASTM D955
Water Absorption - 48 hr (50°C)	0.15	%	ASTM D570

Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale, Compression Molded)	105		ASTM D785

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break, Compression Molded)	94.0	MPa	ASTM D638
Flexural Modulus (Compression Molded)	20000	MPa	ASTM D790
Flexural Strength (Break)	235	MPa	ASTM D790
Compressive Strength	203	MPa	ASTM D695

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Compression Molded)	730	J/m	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
1.8 MPa, Unannealed, Compression Molded	> 282	°C	
1.8 MPa, Annealed, Compression Molded	> 282	°C	

Electrical	Nominal Value	Unit	Test Method
Dielectric Strength ¹			ASTM D149

-- ²	17	kV/mm	
-- ³	15	kV/mm	
Dielectric Constant ⁴ (1 MHz)	3.70		ASTM D2520
Dissipation Factor ⁵ (1 MHz)	0.010		ASTM D150
Arc Resistance	125	sec	ASTM D495

NOTE

- | | |
|----|-------------------------|
| 1. | Dry, 60 Hz |
| 2. | Method A (Short-Time) |
| 3. | Method B (Step-by-Step) |
| 4. | Wet |
| 5. | Wet |

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

