

Material Properties

Diallyl Phthalate

Glass-fiber filled, conforming to ASTM D5948, Type SDG-F

Mechanical Properties

Compressive Strength	25,000 psi
Flexural Strength	11,000 psi
Flexural Modulus	1.4×10^6 psi
Izod Impact Strength	0.85 ft. lb./in.
Tensile Strength	8,500 psi
Heat Distortion	365°F (185°C)
Heat Resistance, Continuous	400-450°F (204-232°C)
Thermal Expansion, Linear Coefficient per °C (25° to 70°C)	34×10^{-6}
Thermal Conductivity, Cal/sec/cm ² /cm/°C	6.9×10^{-4}
Specific Gravity	1.84 to 1.91
Water Absorption, 48 hrs. @ 50°C	0.35%
Flame Resistance, Heated coil	(FTMS-406,2023.2)
Flame Resistance, Ignition time	>90 seconds
Flame Resistance, Burning time	<90 seconds
UL Listing	94 V0

(Note: UL Listed rating may be affected by variation in part dimension.)

Electrical Properties

Arc Resistance	130 sec.
Dielectric Strength	350V/MIL
Dielectric Constant	3.8 @ 1 MHz
Dissipation Factor	0.012 @ 1MHz
Volume Resistance, Megohms	as is 107 plus
30 days @ 100% R.H. @ 70°C.	40,000
Surface Resistance, Megohms	as is 107 plus
30 days @ 100% R.H. @ 70°C	150,000



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