



Cosmic Plastics Inc
HELPING MOLD THE FUTURE



Registered To ISO 9001:2008
Ref. No. 10000711

TECHNICAL DATA SHEET

FARBOSET® 9020

DESCRIPTION Cosmic FARBOSET 9020 is a nonanhydride epoxy powder coating featuring excellent moisture resistance.

APPLICATIONS This compound is ideally suited for both radial and axial components such as ceramic and film capacitors, coils, thermistors and resistors. It can be applied using fluidized bed, wheel coaters, or electrostatic spray techniques.

MATERIAL INFORMATION & PROPERTIES

POWDER INFORMATION	SPECIFICATIONS	DATA
Particle Size (U.S. Mesh, %)	+80 max -325	1 30 +/- 3
Application and Cure Range	°C °F	125 – 175 257 – 347
Cure Time (minutes)	130 °C (266 °F)	60
	150 °C (302 °F)	30
	160 °C (320 °F)	20
Edge Coverage %	ASTM D-2967	40
Molded Density	gm/cc	1.53

MOISTURE PROPERTIES	SPECIFICATIONS	DATA
Water Absorption, %	24 hrs @ 23 °C (73 °F)	0.1

STORAGE INFORMATION	SPECIFICATIONS	DATA
Recommended Storage Temperature	°C (°F)	18 (65)
Storage Life <i>(Not more than 40% loss of spiral flow based on original values.)</i>	4 °C (40 °F), months	12
	21 °C (70 °F), months	4

ELECTRICAL PROPERTIES	SPECIFICATIONS	DATA
Dissipation Factor (ASTM 150)	1 KHz	0.006
Dielectric Constant (ASTM 150)	1 KHz	4.2
Dielectric Strength, (ASTM 149)	volts/mil	900
Loss Factor (ASTM 150)	1 KHz	0.025

THERMAL PROPERTIES	SPECIFICATIONS	DATA
Glass Transition Temperature (Tg)	°C (°F)	125 (257)
Linear Thermal Expansion	cm/cm/°C, x 10 ⁻⁶	50
Plate Flow, mm	150 °C (302 °F) / 60° angle	36
Hot Plate Gel Time	@ 150 °C (302 °F), seconds	58

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Approved: SC, 2/1/17

Technical Data Sheets are offered for Reference Only, and are not to be considered as specifications. All tests were performed at room temperature (22 °C) unless otherwise stated, under carefully controlled conditions using transfer molded specimens. Since actual performance is determined by the molding techniques applied, as well as part size and shape, it is recommended that customers conduct their own tests to determine product suitability for their specific application. **Cosmic Plastics, Inc. makes no warranties of merchantability, or any expressed or implied guarantee or representation of fitness or suitability for any application.**