

PRODUCT SERIES: Rosite 3000 SERIES BMC
PRODUCT DESCRIPTION: HIGH STRENGTH UL YELLOW CARD

Properties	3250C	3550A	3550C	3550D	3550F
Glass Fiber Content %	15%	5%	15%	20%	30%
Specific Gravity Test Method: ASTM D792	1.94	2.08	1.94	1.89	1.80
Water Absorption (24 Hrs %) Test Method: ASTM D-570	0.1	0.1	0.1	0.1	0.1
Shrinkage, in./in. Test Method: ASTM D955	0.003	0.001	0.001	0.001	0.001
Flexural Strength, psi Test Method: ASTM D-790	20,000	7,500	16,500	18,000-22,000	25,000
Impact Strength, Izod Notched, ft. lbs./in. Test Method: ASTM D-256	3-5	3	6	4-6	10-12
Compressive Strength, psi Test Method: ASTM D-695	22,000 - 24,000	20,000	20,000	21,000-22,000	23,000-25,000
Tensile Strength, psi Test Method: ASTM D-638	5,000-6,000	3,000	5,000	6,000-7,000	8,000-9,000
Flexural Modulus, 10 ⁶ psi Test Method: ASTM D-790	--	1.5	1.5	1.7-1.9	2.5
Arc Resistance, Seconds Test Method: ASTM D-495	180-240	240	180	170-180	170-185
Dielectric Strength, short time, volts/mil Test Method: ASTM D-149	300	300	300	300	300
Dielectric Constant, 60 Hz Test Method: ASTM D-150	5.55	5.15-5.35	5.15-5.35	5.15-5.35	5.15-5.35
10 ⁶ Hz Test Method: ASTM D-150	--	4.80-5.00	4.80-5.00	4.80-5.00	4.80-5.00
Dissipation Factor, 10 ³ Hz Test Method: ASTM D-150	--	0.017- 0.019	0.017-0.019	0.017-0.019	0.017-0.019
10 ⁶ Hz Test Method: ASTM D-150	--	0.010-0.012	0.010-0.012	0.010-0.012	0.010-0.012
Volume Resistivity, 10 ¹⁴ ohms-cm Test Method: ASTM D-257	--	2	2	2	2
10 ⁶ ohms-cm Test Method: ASTM D-257	--	--	--	--	--
Deflection Temperature ^a , °F/264psi Test Method: ASTM D-648	400	400	400	400	400
Heat Resistance, °F Continuous Test Method: ASTM D-794	300	300	300	300	300
Flammability, UL 94 Classification, rating/thickness	94V-0 0.060	94V-0 0.062	94V-0 0.062	94V-0 0.062	94V-0 0.120

The information on this sheet is a guide. The stated values reflect an average of several tests conducted on CI's goods. These values were obtained under ideal conditions and may not be replicated in any particular test, part, or application. Because the values achieved in actual parts depend considerably on part design, molding conditions, and testing methods, no guarantee is made or implied regarding values to be obtained in any specific test, part, or application. CI makes no warranty or representation as to the suitability of any of its goods for use in any application. CI relies on customer to conduct its own tests and judge for itself the suitability of CI's goods.

10/2013

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