

PRODUCT SERIES: E200 SERIES SMC
PRODUCT DESCRIPTION: UL YELLOW CARD SMC

Properties	E-203		E-204		E-205		E-206		E-208	
	Imperial	SI	Imperial	SI	Imperial	SI	Imperial	SI	Imperial	SI
Impact Strength-Izod Notched Test Method: ASTM D-256	8.0 ft.lb./in.	427 J/m	12.0 ft.lb./in.	641 J/m	14.0 ft.lb./in.	747 J/m	16.0 ft.lb./in.	854 J/m	20.0 ft.lb./in.	1070
Flexural Strength Test Method: ASTM D-790	18,000 psi	124 MPa	23,000 psi	159 MPa	26,000 psi	179 MPa	30,000 psi	207 MPa	34,000 psi	--
Flexural Modulus Test Method: ASTM D-790	1,500 ksi	10 GPa	1,600 ksi	11 GPa	1,800 ksi	12 GPa	2,000 ksi	14 GPa	2.0 10 ⁶ psi	--
Tensile Strength Test Method: ASTM D-638	8,000 psi	55 MPa	11,000 psi	76 MPa	14,000 psi	97 MPa	16,000 psi	110 MPa	18,000 psi	--
Compressive Strength Test Method: ASTM D-695	24,000 psi	166 MPa	27,000 psi	186 MPa	30,000 psi	207 MPa	32,000 psi	221 MPa	30,000 psi	--
Water Absorption (24 Hrs @ 23C) Test Method: ASTM D-570	0.0 to 0.2%	.10%	.10%	.10%	.11%	.11%	.13%	.13%	.15%	--
Specific Gravity (+/- .03) Test Method: ASTM D792	1.7 to 1.9	1.7 to 1.9	1.7 to 1.9	1.7 to 1.9	1.7 to 1.9	1.7 to 1.9	1.7 to 1.9	1.7 to 1.9	1.7 to 1.9	--
Shrinkage Test Method: ASTM D-955	0.0 to 0.2%	0.0 to 0.2%	0.0 to 0.2%	0.0 to 0.2%	0.0 to 0.2%	0.0 to 0.2%	0.0 to 0.2%	0.0 to 0.2%	0.0 to 0.2%	--
Barcol Hardness Test Method: ASTM D-2583	30-50	30-50	30-50	30-50	30-50	30-50	30-50	30-50	30-50	--
Bulk Factor App. Test Method: ASTM D-1895	1	1	1	1	1	1	1	1	--	--
Dielectric Strength Test Method: ASTM D-149	400 kV/in	16 kV/mm	380 kV/in	15 kV/mm	360 kV/in	14 kV/mm	340 kV/in	13 kV/mm	315 kV/in	--
Arc Resistance Test Method: ASTM D-495	180+ Seconds	180+ Seconds	180+ Seconds	180+ Seconds	180+ Seconds	180+ Seconds	180+ Seconds	180+ Seconds	180 Seconds	--
Heat Deflection Temp. @ 264 psi Test Method: ASTM D-648	>500 °F	>260°C	>500 °F	>260°C	>500 °F	>260°C	>500 °F	>260 °C	>500 °F	--
Flame Resistance @ 1.2mm Test Method: UL94	V-0	V-0	V-0	V-0	V-0	V-0	V-0	V-0	--	--
Flame Resistance @ 1.5mm Test Method: UL94	V-0	V-0	V-0	V-0	V-0	V-0	V-0	V-0	--	--
Flame Resistance @ 2.0mm Test Method: UL94	--	--	--	--	--	--	--	--	V-0	--
Flame Resistance @ 3.0mm Test Method: UL94	V-0	V-0	V-0	V-0	V-0	V-0	V-0	V-0	--	--

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.

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PRODUCT SERIES: E200 SERIES SMC
PRODUCT DESCRIPTION: UL YELLOW CARD SMC

Properties	E5V-204	
	Imperial	SI
Impact Strength-Izod Notched Test Method: ASTM D-256	12.0 ft.lb./in.	641 J/m
Flexural Strength Test Method: ASTM D-790	23,000 psi	159 MPa
Flexural Modulus Test Method: ASTM D-790	1,600 ksi	11 GPa
Tensile Strength Test Method: ASTM D-638	11,000 psi	76 MPa
Compressive Strength Test Method: ASTM D-695	27,000 psi	186 MPa
Water Absorption (24 Hrs @ 23C) Test Method: ASTM D-570	0.0 to 0.2%	0.0 to 0.2%
Specific Gravity (+/- .03) Test Method: ASTM D792	1.7 to 1.9	1.7 to 1.9
Shrinkage Test Method: ASTM D-955	0.1% to 0.2%	0.1% to 0.2%
Barcol Hardness Test Method: ASTM D-2583	20 to 50	20 to 50
Bulk Factor App. Test Method: ASTM D-1895	1	1
Dielectric Strength Test Method: ASTM D-149	380 kV/in	15 kV/mm
Arc Resistance Test Method: ASTM D-495	180 Seconds	180 Seconds
Heat Deflection Temp. @ 264 psi Test Method: ASTM D-648	>500 °F	>260 °C
Flame Resistance @ 2.0mm Test Method: UL94	V-0/5VA	V-0/5VA
Flame Resistance @ 3.0mm Test Method: UL94	V-0/5VA	V-0/5VA

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