



**The One-Source Solutions Provider**  
**DESIGN | FORMULATE | COMPOUND | MOLD | FINISH**  
**Thermoset Composites**

PROPERTIES		MB1000-10	MB1000-15	MB1000-25	MB2000-5	MB2000-10	MB2000-15	MB2000-20	MB2000-25	MB3000-15NY	MB3000-20NY	MB4000	MB5500	MB6000
Listed File E80533	-	No	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
Flammability UL94	-	HB	HB	HB	V0	V0	V0	V0	V0	V0/5V	V0/5V	V0	V0	HB
<b>MECHANICAL PROPERTIES</b>														
Impact Strength, Notched Izod, Ft Lbs/In	D256	2.5-3.5	4-5	7-10	1.5-2.5	4-6	5-7	8-10	10-12	8-10	8-14	7-10	8-10	3-7
Flexural Strength, Kpsi	D790	14-16	18-21	19-22	8-11	13-16	16-18	19-22	23-25	18-20	18-21	13-17	17-19	15-23
Flexural Modulus, Mps	D790	2-2.2	1.6-1.8	1.6-1.7	1.3-1.6	1.3-1.6	1.5-1.8	1.7-2.0	1.6-1.7	1.8-1.9	1.8-1.9	1.7-1.9	1.6-1.8	1.6-2.2
Tensile Strength, Kpsi	D638	5-6	7-9	8-10	4-5	4.5-5.5	6-7.5	5-8	8.5-10	5-6	6-9	5-6.5	6-8	5-9
Compressive Strength, Kpsi	D695	15-18	18-22	20-24	14-16	17-19	18-21	20-24	20-25	14-16	14-16	14-15	13-16	16-22
Shear Strength, Kpsi	D732	6-7	7-8	7-9	4-5	6-7	8-9	9-11	10-12	8-9	8-9	-	-	-
<b>ELECTRICAL PROPERTIES</b>														
Arc Resistance, Seconds	D495	180+	180+	140+	185+	185+	185+	185+	185+	185+	185+	185+	185+	-
Inclined-Plane Tracking, Minutes	D2303	500+	500+	500+	1000+	1000+	1000+	1000+	1000+	1000+	1000+	1500+	1000+	-
Dielectric Strength VPM	D149	320	320	355	400+	320+	350+	350+	350+	360+	360+	350+	350+	-
<b>PHYSICAL PROPERTIES</b>														
Specific Gravity	D792	1.9-2.0	1.8-2.0	1.7-1.9	1.8-1.9	1.8-1.9	1.8-1.5	1.75-1.8	1.7-1.75	1.85-1.95	1.7-1.85	1.7-1.9	1.75-1.8	1.90-2.05
Mold Shrinkage 0.001/in	D955	0.5-3	0.5-3	0.5-2	0.5-3	0.5-3	0.5-3	0.5-2	0.5-2	0.5-1.5	0.5-1.5	0.5-3	0.5-2	-0.002
Barcol Hardness	D2583	35-50	35-45	45-55	25-35	35-45	35-45	35-45	40-50	45-55	45-55	41-47	35-45	40-60
Heat Distortion Temp @ 264 psi Deg F	D648	>500	>500	>500	>500	>500	>500	>500	>500	>500	>500	>500	>500	>500
Water Absorption % in 24 hrs	D570	0.17	0.17	0.13	0.17	0.14	0.13	0.12	0.13	0.12	0.12	0.12	0.12	0.1-0.3
Bulk Factor	D1895	1	1	3	1	1	1	2	3	1.5	1.5-2	1-1.5	2	-
<b>COLOR CHANGE UNDER HEAT</b>														
White 150°C for 300 hrs, ΔE	-	-	-	-	-	-	-	-	-	1.2-1.7	1.2-1.7	-	-	-
Bisque 150°C for 300 hrs, ΔE	-	-	-	-	-	-	-	-	-	1-1.5	1-1.5	-	-	-

All property values are based on test performed on standard ASTM test samples and according to standard ASTM test methods unless otherwise indicated. This information is offered solely for your consideration and is to be used as a guide only. No other warranty is implied.

**Contact Us:**

**CORPORATE HEADQUARTERS**

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