



#### STAN-TONE™ MB or MC COLORS

- **Description:** Selected organic and inorganic pigments dispersed in an elastomeric binder.
- **Binder:** SBR (Styrene Butadiene Rubber) system.
- **Product Form:** MB (Slab) 3" x 9" x 1/4"  
MC (Cube) 5mm x 5mm
- **Application/End Use:** Rubber flooring, wire and cable, seals, toys, footwear, sporting goods, foam insulation, belting, coated fabric, etc.

Typical recommended use level: 1.0 – 5.0% by weight.

- **Standard Packaging:** Polyethylene lined 50-pound carton.
- **Shelf Life:** Typically one year, except (e) as noted, when stored under proper conditions in original, sealed container.
- **Order Size/Sample Size:** Minimum order quantity is 100 pounds unless material is a stocked item. ½ pint sample available upon request.

Excel Polymers offers a complete line of Stan-Tone™ masterbatch colors consisting of selected pigments dispersed in an SBR (Styrene Butadiene Rubber) binder system that is particularly suited for SBR compounds as well as other sulfur-cured elastomer systems. Shade, tinting strength, and dispersion is rigidly controlled in our laboratory to assure lot-to-lot uniformity. They are formulated for optimum dispersion and ease of handling in conventional rubber processing: open mill mixing, internal mixer, extruder, etc. These colorants are available in MB (slab) or MC (cube) form. In addition, Excel Polymers offers a wide range of custom Stan-Tone™ MB and MC products dispersed in other elastomers such as EPDM, EPR, NR, NBR, TPR, etc.

Typical applications include general mechanical goods, auto mats, rubber flooring, sponge rubber, wire and cable, etc.

Selection of the best pigment(s) to meet the requirements of particular applications is based on such factors as heat stability, lightfastness, weatherability, toxicity, etc. Excel Polymers Technical Specialists can help you choose the most cost-effective pigment system for your specific needs. Use levels can vary depending on the specific application; typically 1-5% will be adequate. These colorants can be blended to achieve a wide range of color hues. Custom color matching is available.

Standard packaging for both MB and MC forms are 50-pound poly-lined cartons. Minimum order quantity is 100 pounds unless material is a stocked item.



Stan-Tone Code (a)	Pigment Type	Approx % Pigment	Specific Gravity	Color Index	Heat Stability	Light-Fastness
<b>WHITE</b>						
10MB03	Titanium Dioxide, Rutile	60.0	1.74	PW-6	1	I/O
<b>YELLOW</b>						
12MB01 (c)	Diarylide AAOT GS	48.0	1.23	PY-14	3	I
12MB02 (c)	Diarylide AAOA GS	50.0	1.15	PY-17	3	I
12MB03 (c)	Diarylide HR RS	50.0	1.16	PY-83	2	I/O (Mass)
12MB09 (c)	Diarylide AAA RS	50.0	1.21	PY-12	3	I
12MB10 (c)	Diarylide AAMX RS	30.0	1.22	PY-13	3	I
13MB03	Benzimidazolone GS	50.0	1.15	PY-151	2	I/O (Mass)
81MB01 (e)	Iron Oxide	65.0	1.84	PY-42	2 C	I/O
<b>ORANGE</b>						
15MB01	Pyrazolone YS	23.0	1.23	PO-13	2	I/O (Mass)
15MB05	Dianisidine RS	40.0	1.11	PO-16	3	I/O (Mass)
15MB06	Benzimidazolone RS	50.0	1.18	PO-36	2	I/O
15MB07	Benzimidazolone YS	50.0	1.19	PO-64	2	I/O
<b>RED</b>						
20MB01 (b)(d)	Red Lake C YS	50.0	1.27	PR-53:1	3	I
22MB01 (d)	Lithol Rubine BS	42.0	1.19	PR-57:1	3	I
23MB06	Specialty Naphthol BS	50.0	1.11	PR-170	2	I/O(Mass)C
23MB07	Specialty Naphthol YS	50.0	1.13	PR-170	2	I/O(Mass)C
25MB12	Red 2B, Ca Salt BS	49.0	1.25	PR-48:2	2	I/O(Mass)
26MB03 (e)	Pyrazolone YS	41.0	1.09	PR-38	2 C	I/O(Mass)
28MB02 (b)	Red 2B, Ba Salt YS	50.0	1.38	PR-48:1	2	I/O(Mass)
82MB01 (e)	Iron Oxide, Light BS	55.0	1.68	PR-101	1	I/O
82MB02 (e)	Iron Oxide, Dark VBS	60.0	1.80	PR-101	1	I/O
82MB04 (e)	Iron Oxide, Light VYS	60.0	1.83	PR-101	1	I/O
82MB05 (e)	Iron Oxide, Light YS	60.0	1.84	PR-101	1	I/O
<b>BLUE</b>						
40MB05 (e)	Phthalocyanine GS	48.0	1.19	PB-15:3	1	I/O
40MB08 (e)	Phthalocyanine RS	52.0	1.27	PB-15	1	I/O
40MB10 (e)	Phthalocyanine RS-NC	48.0	1.22	PB-15:1	1	I/O
42MB02	Ultramarine GS	50.0	1.35	PB-29	1	I/O
<b>GREEN</b>						
50MB05	Blend (Yellow/Blue)	48.0	1.21	N/A	3	I
51MB01 (e)	Phthalo Brominated VYS	50.0	1.40	PG-36	1	I/O
51MB03 (e)	Phthalocyanine YS	47.0	1.34	PG-7	1	I/O
51MB05 (e)	Phthalocyanine BS	50.0	1.46	PG-7	1	I/O
59MB01 (b)	Chromium Oxide	69.0	2.17	PG-17	1	I/O
<b>VIOLET/MAGENTA</b>						
24MB02	Carbazole Violet	40.0	1.19	PV-23	2	I/O
24MB03	Quinacridone Violet	30.0	1.06	PV-19	2	I/O
24MB04	Ultramarine Violet	60.0	1.59	PV-15	1	I/O
24MB06	Benzimidazolone	40.0	1.08	PV-32	2	I/O
<b>BROWN/TAN</b>						
83MB01 (e)	Iron Oxide, Tan HR	60.0	1.78	PBr-11	1	I/O
83MB02 (e)	Iron Oxide, Light	69.0	2.10	PBr-6	2 C	I/O

**KEY:**

- RS = Red Shade
- YS = Yellow Shade
- VYS = Very Yellow Shade
- BS = Blue Shade
- VBS = Very Blue Shade
- GS = Green Shade
- NC = Non-Crystallizing
- HR = Heat Resistant
- (a) = Available MB (slab) or MC (cube) form
- (b) = Heavy Metal Pigment
- (c) = Potential migration at low use levels
- (d) = Poor alkali resistance – not recommended for open steam cure.
- (e) = Shelf Life – 6 months

**HEAT STABILITY**

- 1 = Above 400°F
- 2 = 350°F – 400°F
- 3 = Below 350°F
- C = Some Caution Advised

**LIGHTFASTNESS**

- I = Indoor Only
- I/O = Indoor or Outdoor
- Mass = Outdoor Masstone Application Only
- C = Some Caution Advised

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