

**MIPS131.4**

**Melt Index 13**

**Izod 1.4**

## Material Properties

| Properties                          | Test Method | Unit      | Typical Value |
|-------------------------------------|-------------|-----------|---------------|
| Melt Flow, 200/5.0                  | D 1238      | gm/10 min | 13.0          |
| Falling Dart                        | D 3029      | in-lbs    | 100           |
| Izod, Notched                       | D 256       | ft-lbs/in | 1.4           |
| Tensile Strength @ Yield            | D 638       | psi       | 3,600         |
| Tensile Modulus (10 <sup>5</sup> )  | D 638       | psi       | 3.6           |
| Tensile Elongation                  | D 638       | %         | 45            |
| Flexural Strength                   | D 790       | psi       | 6,500         |
| Flexural Modulus (10 <sup>5</sup> ) | D 790       | psi       | 3.4           |
| Heat Distortion, Annealed           | D 648       | °F        | 190           |
| Vicat Softening                     | D1525       | °F        | 198           |
| Gloss, 60°                          | D 523       |           |               |

- 1 MIPS131.4 complies with FDA requirements as amended in regulation 21 CFR § 177.1640.
- 2 MIPS131.4 has passed Underwriters Laboratory 94 HB with yellow card approvals available upon request.
- 3 Material Safety Data Sheets are available to help customers satisfy their safety needs.

- MIPS131.4 is a medium impact polystyrene with balanced physical properties.
- This polymer is utilized in applications such as scale models, toys, housewares, and containers which require consistency from shot to shot.
- MIPS131.4 is good for thin walled parts with complex runners and gates, it runs fast and consistently with easy flow.
- The natural whiteness of MIPS131.4 allows for brightness of colors and reproducibility of color matches. MIPS131.4 is the base carrier of choice for many color concentrate producers.