

Classification : HSPB Block Copolymer Injection grade  
Attributes : High Impact Strength, Good Compatibility with Filler and Rubber  
Applications : Battery Case, Electric Appliances and Glocery, PP Compound Base Resin

**Documents & Certificates**

Spec Sheet :  [kpic\\_spec\\_SB9310\\_en.pdf](#)  
MSDS :  [kpic\\_msds\\_SB9310\\_en\(1\).pdf](#)  
FDA :  [FDA Request](#)  
RoHS :  [kpic\\_RoHS\\_SB9310\\_20121121.PDF](#)

**Properties**

| ITEM (TERM)                                                                                                                                                                                  | VALUE   | UNIT                             | TEST METHOD |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|----------------------------------|-------------|
| Melt Index                                                                                                                                                                                   | 10      | g/10min.                         | ASTM D1238  |
| Density                                                                                                                                                                                      | 0.91    | g/cm <sup>3</sup>                | ASTM D1505  |
| Mold Shrinkage                                                                                                                                                                               | 1.4~1.8 | %                                | KPIC Method |
| Tensile Strength at Yield                                                                                                                                                                    | 270     | kg <sub>f</sub> /cm <sup>2</sup> | ASTM D638   |
| Elongation at Break                                                                                                                                                                          | >500    | %                                | ASTM D638   |
| Flexural Modulus                                                                                                                                                                             | 12,500  | kg <sub>f</sub> /cm <sup>2</sup> | ASTM D790   |
| Hardness (Rockwell)                                                                                                                                                                          | 90      | R Scale                          | ASTM D785   |
| Impact Strength (Izod with Notch)<br>25°C                                                                                                                                                    | 22      | kg <sub>f</sub> cm/cm            | ASTM D256   |
| Impact Strength (Izod with Notch)<br>-20°C                                                                                                                                                   | 4.5     | kg <sub>f</sub> cm/cm            | ASTM D256   |
| Melting Point                                                                                                                                                                                | 165     | °C                               | ASTM D3418  |
| Softening Point (Vicat)                                                                                                                                                                      | 152     | °C                               | ASTM D1525  |
| Heat Deflection Temperature                                                                                                                                                                  | 122     | °C                               | ASTM D648   |
| The values given above should only be used as a guide and should not be considered as a specification or guarantee.<br>The values are dependent on part geometry and fabrication conditions. |         |                                  |             |