

ABS BM510

ABS BM510 is a high impact ABS resin for blow molding.

Application: automobile rear spoiler, side step, car seat, fiber reinforced plastic jar inner liner.

| Properties | Standard | Unit | Condition | Typical Value |
|---|-----------|-------------------|-----------|---------------|
| Physical | | | | |
| Density | ISO 1183 | g/cm ³ | 23℃ | 1.04 |
| Melt Index | ISO 1133 | g/10min | 220℃、10kg | 5 |
| Mold Shrinkage | ISO 294 | % | 23℃ | 0.4-0.7 |
| Mechanical | | | | |
| Tensile Strength | ISO 527 | MPa | 50mm/min | 45 |
| Tensile Elogation at Break | ISO 527 | % | 50mm/min | |
| Flexural Strength | ISO 178 | MPa | 2mm/min | 65 |
| Flexural Modulus | ISO 178 | MPa | 2mm/min | 2200 |
| Notched Izod Impact,23℃ | ISO 180 | kJ/m ² | 5.5J | 32 |
| Notched Charpy Impact,23℃ | ISO 179 | kJ/m ² | 4J | 33 |
| Notched Charpy Impact,-30℃ | ISO 179 | kJ/m ² | 4J | 15 |
| Unnotched Charpy Impact,23℃ | ISO 179 | kJ/m ² | 4J | NB |
| Rockwell Hardness | ISO 2039 | R-scale | 23℃ | 106 |
| Thermal | | | | |
| Heat Deflection Temp. 1.80MPa Unannealed | ISO 75 | ℃ | 120℃/h | 85 |
| VICAT | ISO 306 | ℃ | 5kg 50℃/h | 95 |
| Flammability | UL-94 | - | 1.6mm | HB |
| Electrical Properties | | | | |
| Volume Resistivity | IEC 60093 | Ohm-cm | / | >1.E+15 |
| Surface Resistivity | IEC 60093 | Ohm | / | >1.E+15 |

Note:

- 1) These are typical property values, not specifications.
- 2) In case of colored products, the values could vary slightly by color.
- 3) Values are measured at 23℃ and in RH of 50% on injection molded specimens.
- 4) UL File No. E65424,E254819.

Disclaimer:

To the extent the user is entitled to disclose and distribute this document, the user may forward, distribute, and/or photocopy this copyrighted document only if unaltered and complete, including all of its headers, footers, disclaimers, and other information. The information in this document relates only to the named product or materials when not in combination with any other product or materials. We based the information on data believed to be reliable on the data compiled, but we do not represent, warrant, or otherwise guarantee, expressly or impliedly, the merchantability, fitness for a particular purpose, suitability, accuracy, reliability, or completeness of this information or the products, materials, or process described. The user is solely responsible for all determinations regarding any use of material or product and any process in its territories of interest. You may not copy this document to a Web site.

Kumho-Sunny expressly disclaim liability for any loss, damage, or injury directly or indirectly suffered or incurred as a result of or related to anyone using or relying on any of the information in this document. There is no endorsement of any product or process, and we expressly disclaim any contrary implication.

For more information please click:www.kumhosunny.com

ABS BM510

| Processing Parameters | Typical Value | Unit |
|---------------------------------|----------------------|-------------|
| Drying Temperature | 80-90 | °C |
| Drying Time | 3-4 | hour |
| Maximum moisture content | 0.05 | /% |
| Barrel Temperature | | °C |
| Rear | 170-190 | |
| Middle | 180-200 | |
| Front | 190-220 | |
| Nozzle | 180-210 | |
| Melt Temperature | 180-220 | °C |
| Mold Temperature | 30-50 | °C |
| Back Pressure | 1-5 | MPa |
| Screw Speed | 30-70 | rpm |

Note:

1)The above data is only for reference. Exact settings have to follow the product,injection machine and mold.

Disclaimer:

To the extent the user is entitled to disclose and distribute this document, the user may forward, distribute, and/or photocopy this copyrighted document only if unaltered and complete, including all of its headers, footers, disclaimers, and other information. The information in this document relates only to the named product or materials when not in combination with any other product or materials. We based the information on data believed to be reliable on the data compiled, but we do not represent, warrant, or otherwise guarantee, expressly or impliedly, the merchantability, fitness for a particular purpose, suitability, accuracy, reliability, or completeness of this information or the products, materials, or process described. The user is solely responsible for all determinations regarding any use of material or product and any process in its territories of interest. You may not copy this document to a Web site.

Kumho-Sunny expressly disclaim liability for any loss, damage, or injury directly or indirectly suffered or incurred as a result of or related to anyone using or relying on any of the information in this document. There is no endorsement of any product or process, and we expressly disclaim any contrary implication.

For more information please click:www.kumhosunny.com