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# Product Data Sheet

## INJECTOBLEND™ FAB5007

### General Purpose ABS

| Properties / Reported DAM                                     | Test Method | English (U.S.) | Units System | Metric (S.I.) | Units System |
|---|-------------|----------------|--------------|---------------|--------------|
| <b>PHYSICAL</b>   |             |                |              |               |              |
| Specific Gravity, solid                                       | D 792       | -              | 1.05         | -             | 1.05         |
| Mold Shrinkage, 0.125" (3.2mm)                                | D 955       | %              | 0.4-0.7      | %             | 0.4-0.7      |
| Water Absorption, 73F (23C), 24 hrs                           | D 570       | %              | -            | %             | -            |
| Melt Flow Rate @ 230C / 3.8kg, nominal                        | D 1238      | g/10min        | 5            | g/10min       | 5            |
| <b>MECHANICAL</b>   |             |                |              |               |              |
| Tensile Strength @ Yield, 73°F (23°C)                         | D 638       | psi            | 6,000        | MPa           | 41           |
| Tensile Elongation @ Break, 73°F (23°C)                       | D 638       | %              | 20           | %             | 20           |
| Flexural Strength, 73°F (23°C)                                | D 790       | psi            | 9,000        | MPa           | 62           |
| Flexural Modulus, 73°F (23°C)                                 | D 790       | psi            | 330,000      | MPa           | 2,277        |
| Izod Impact, notched, 73°F (23°C), 0.125" (3.2mm)             | D256        | ft-lb/in       | 2.5          | J/m           | 134          |
| Izod Impact, notched, 0°F (-18°C), 0.125" (3.2mm)             | D256        | ft-lb/in       | 1.2          | J/m           | 64           |
| Gardner Impact Energy, 73°F (23°C), 0.125" (3.2mm)            | D3029       | in-lb          | 22           | J             | 195          |
| Gardner Impact Energy, -20°F (-29°C), 0.125" (3.2mm)          | D3029       | in-lb          | 4.5          | J             | 40           |
| Instrumented Impact Total Energy, 73°F (23°C), 0.125" (3.2mm) | D 3763      | ft-lb          | 26.5         | J             | 36           |
| <b>THERMAL</b>  |             |                |              |               |              |
| Deflection Temperature, unannealed                            | D 648       |                |              |               |              |
| 264 psi (1.82 MPa), Load                                      |             | °F             | 176          | °C            | 80           |
| 66 psi (0.45 MPa), Load                                       |             | °F             | 190          | °C            | 88           |
| CLTE, -40 °C - +80 °C ( -40 °F - +176 °F )                    | D 696       | in/in/°F       | 5.3 E-5      | m/m/°C        | 9.5 E-5      |
| <b>FLAMMABILITY</b>   |             |                |              |               |              |
| UL 94 Flame Class. 0.058" (1.47mm)                            | UL 94       | -              | HB           | -             | HB           |

The values shown on the data sheet are typical values that have been obtained on typical AGS materials, are not intended for specification purposes and are provided without any warranty or guarantee. Each user of the material should make his own test to determine the suitability of the material for his use. Therefore, it is understood and agreed that the customer assumes and hereby releases AGS Technology, Inc. from all liabilities, incurred in connection with the use of AGS products, technical assistance and information. (APR 2019)