

# VITAMIDE® AR3XBK8510

Polyamide 66  
Jackdaw Polymers

Message:

VITAMIDE® AR3XBK8510 is a Polyamide 66 (Nylon 66) product filled with 50% glass fiber. It is available in Europe. Primary characteristic: flame rated.

| General Information               |                                  |          |                       |
|-----------------------------------|----------------------------------|----------|-----------------------|
| Filler / Reinforcement            | Glass Fiber,50% Filler by Weight |          |                       |
| Appearance                        | Black                            |          |                       |
| Physical                          | Nominal Value                    | Unit     | Test Method           |
| Specific Gravity                  | 1.57                             | g/cm³    | ASTM D792, ISO 1183   |
| Water Absorption (23°C, 24 hr)    | 0.80                             | %        | ASTM D570, ISO 62     |
| Mechanical                        | Nominal Value                    | Unit     | Test Method           |
| Tensile Strength (Break)          | 220                              | MPa      | ASTM D638, ISO 527-2  |
| Tensile Elongation (Break)        | 3.5                              | %        | ASTM D638, ISO 527-2  |
| Flexural Modulus                  | 12000                            | MPa      | ASTM D790, ISO 178    |
| Flexural Stress                   |                                  |          |                       |
| --                                | 320                              | MPa      | ISO 178               |
| Break                             | 320                              | MPa      | ASTM D790             |
| Impact                            | Nominal Value                    | Unit     | Test Method           |
| Charpy Unnotched Impact Strength  | 60                               | kJ/m²    | ISO 179               |
| Notched Izod Impact Strength      | 13                               | kJ/m²    | ISO 180               |
| Thermal                           | Nominal Value                    | Unit     | Test Method           |
| Deflection Temperature Under Load |                                  |          |                       |
| 0.45 MPa, Unannealed              | 256                              | °C       | ASTM D648, ISO 75-2/B |
| 1.8 MPa, Unannealed               | 256                              | °C       | ASTM D648, ISO 75-2/A |
| Peak Melting Temperature          | 256                              | °C       | ASTM D2117, ISO 1218  |
| CLTE - Flow                       | 2.5E-5                           | cm/cm/°C | ASTM D696             |
| Electrical                        | Nominal Value                    | Unit     | Test Method           |
| Volume Resistivity                | 1.0E+13                          | ohms·cm  | ASTM D257, IEC 60093  |
| Flammability                      | Nominal Value                    | Unit     | Test Method           |
| Flame Rating                      | HB                               |          | UL 94                 |

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: [sales@su-jiao.com](mailto:sales@su-jiao.com)

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

