

# VITAMIDE® BK70BK6683

Polyamide 6  
Jackdaw Polymers

Message:

VITAMIDE® BK70BK6683 is a Polyamide 6 (Nylon 6) product. It is available in Europe.

Characteristics include:

Flame Rated  
Nucleated

| General Information               |                  |                   |                        |
|-----------------------------------|------------------|-------------------|------------------------|
| Additive                          | Nucleating Agent |                   |                        |
| Features                          | Nucleated        |                   |                        |
| Appearance                        | Black            |                   |                        |
| Physical                          | Nominal Value    | Unit              | Test Method            |
| Specific Gravity                  | 1.13             | g/cm <sup>3</sup> | ASTM D792, ISO 1183    |
| Water Absorption                  |                  |                   |                        |
| 24 hr                             | 2.6              | %                 | ASTM D570              |
| 23°C, 24 hr                       | 2.6              | %                 | ISO 62                 |
| Mechanical                        | Nominal Value    | Unit              | Test Method            |
| Tensile Strength (Yield)          | 73.0             | MPa               | ASTM D638, ISO 527-2   |
| Tensile Elongation (Break)        | 3.0              | %                 | ASTM D638, ISO 527-2   |
| Flexural Modulus                  | 2200             | MPa               | ASTM D790, ISO 178     |
| Flexural Strength                 | 83.0             | MPa               | ASTM D790, ISO 178     |
| Impact                            | Nominal Value    | Unit              | Test Method            |
| Charpy Notched Impact Strength    | 8.0              | kJ/m <sup>2</sup> | ISO 179                |
| Charpy Unnotched Impact Strength  | No Break         |                   | ISO 179                |
| Thermal                           | Nominal Value    | Unit              | Test Method            |
| Deflection Temperature Under Load |                  |                   |                        |
| 0.45 MPa, Unannealed              | 193              | °C                | ASTM D648, ISO 75-2/B  |
| 1.8 MPa, Unannealed               | 65.0             | °C                | ASTM D648, ISO 75-2/A  |
| Melting Temperature               | 218              | °C                | ISO 1218, ASTM D2117   |
| CLTE - Flow                       | 7.0E-5           | cm/cm/°C          | ISO 11359-2            |
| Electrical                        | Nominal Value    | Unit              | Test Method            |
| Surface Resistivity               | 5.0E+13          | ohms              | ASTM D257, IEC 60093   |
| Dielectric Strength               | 35               | kV/mm             | ASTM D149, IEC 60243-1 |
| Comparative Tracking Index        |                  |                   |                        |
| Solution A                        | 600              | V                 | IEC 60112              |
| -- 1                              | 600              | V                 | ASTM D3638             |
| Flammability                      | Nominal Value    | Unit              | Test Method            |
| Flame Rating                      | V-2              |                   | UL 94                  |
| NOTE                              |                  |                   |                        |

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