

# VITAMIDE® BY13BK6088

Polyamide 6  
Jackdaw Polymers

Message:

VITAMIDE® BY13BK6088 is a Polyamide 6 (Nylon 6) product filled with 15% glass fiber. It is available in Europe. Primary characteristic: flame retardant.

| General Information                           |                                  |                   |                       |
|-----------------------------------------------|----------------------------------|-------------------|-----------------------|
| Filler / Reinforcement                        | Glass Fiber,15% Filler by Weight |                   |                       |
| Additive                                      | Halogen                          |                   |                       |
| Features                                      | Flame Retardant                  |                   |                       |
|                                               | Halogenated                      |                   |                       |
| Appearance                                    | Black                            |                   |                       |
| Forms                                         | Pellets                          |                   |                       |
| Physical                                      | Nominal Value                    | Unit              | Test Method           |
| Specific Gravity                              | 1.43                             | g/cm <sup>3</sup> | ASTM D792, ISO 1183   |
| Molding Shrinkage - Flow                      | 0.44                             | %                 | ISO 294-4             |
| Mechanical                                    | Nominal Value                    | Unit              | Test Method           |
| Tensile Strength (Break)                      | 120                              | MPa               | ASTM D638, ISO 527-2  |
| Tensile Elongation (Break)                    | 2.7                              | %                 | ASTM D638, ISO 527-2  |
| Flexural Modulus                              | 6000                             | MPa               | ASTM D790, ISO 178    |
| Flexural Stress                               |                                  |                   |                       |
| --                                            | 175                              | MPa               | ISO 178               |
| Break                                         | 175                              | MPa               | ASTM D790             |
| Impact                                        | Nominal Value                    | Unit              | Test Method           |
| Charpy Unnotched Impact Strength <sup>1</sup> | 39.0                             | kJ/m <sup>2</sup> | ASTM D256             |
| Charpy Unnotched Impact Strength              | 39                               | kJ/m <sup>2</sup> | ISO 179               |
| Thermal                                       | Nominal Value                    | Unit              | Test Method           |
| Deflection Temperature Under Load             |                                  |                   |                       |
| 0.45 MPa, Unannealed                          | 200                              | °C                | ASTM D648, ISO 75-2/B |
| 1.8 MPa, Unannealed                           | 180                              | °C                | ASTM D648, ISO 75-2/A |
| Melting Temperature                           | 218                              | °C                | ASTM D2117, ISO 1218  |
| NOTE                                          |                                  |                   |                       |
| 1.                                            | Method A                         |                   |                       |

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