

# ARNYL 66 30% FV NATURALE

Polyamide 66

Daloga srl

Message:

ARNYL 66 30% FV NATURALE is a Polyamide 66 (Nylon 66) material. It is available in Europe. Primary attribute of ARNYL 66 30% FV NATURALE: Flame Rated.

| General Information               |                  |                   |                         |
|-----------------------------------|------------------|-------------------|-------------------------|
| Appearance                        | Natural Color    |                   |                         |
| Physical                          | Nominal Value    | Unit              | Test Method             |
| Specific Gravity                  | 1.35             | g/cm <sup>3</sup> | ASTM D792               |
| Molding Shrinkage - Flow          | 0.30 to 0.40     | %                 | ASTM D955               |
| Ash Content - 1 hrs (750°C)       | 30               | %                 |                         |
| Mechanical                        | Nominal Value    | Unit              | Test Method             |
| Tensile Modulus                   | 9600             | MPa               | ASTM D638               |
| Tensile Strength (Break)          | 130              | MPa               | ASTM D638               |
| Tensile Elongation (Break)        | 3.9              | %                 | ASTM D638               |
| Flexural Modulus                  | 9200             | MPa               | ASTM D790               |
| Impact                            | Nominal Value    | Unit              | Test Method             |
| Notched Izod Impact               | 85               | J/m               | ASTM D256               |
| Unnotched Izod Impact             | 68               | J/m               | ASTM D256               |
| Thermal                           | Nominal Value    | Unit              | Test Method             |
| Deflection Temperature Under Load |                  |                   | ASTM D648               |
| 0.45 MPa, Unannealed              | 258              | °C                |                         |
| 1.8 MPa, Unannealed               | 246              | °C                |                         |
| Vicat Softening Temperature       |                  |                   |                         |
| --                                | 260              | °C                | ASTM D1525 <sup>1</sup> |
| --                                | 258              | °C                | ASTM D1525 <sup>2</sup> |
| Melting Temperature               | 260              | °C                | DSC                     |
| Flammability                      | Nominal Value    |                   | Test Method             |
| Flame Rating                      |                  |                   | UL 94                   |
| 1.60 mm                           | HB               |                   |                         |
| 3.20 mm                           | HB               |                   |                         |
| NOTE                              |                  |                   |                         |
| 1.                                | Loading 1 (10 N) |                   |                         |
| 2.                                | Loading 2 (50 N) |                   |                         |

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