

# Matrixx 95N5156

Polycarbonate + ABS  
The Matrixx Group, Inc.

Message:

Matrixx 95N5156 is a polycarbonate acrylonitrile butadiene styrene (PC ABS) material. This product is available in North America.  
The main features of the Matrixx 95N5156 are:  
flame retardant/rated flame  
Flame Retardant

| General Information                                     |                  |             |             |
|---|------------------|-------------|-------------|
| Additive  | Flame retardancy |             |             |
| Features  | Flame retardancy |             |             |
| Forms   | Particle         |             |             |
| Physical  | Nominal Value    | Unit        | Test Method |
| Specific Gravity  | 1.19             | g/cm³       | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)                | 15               | g/10 min    | ASTM D1238  |
| Molding Shrinkage - Flow                                | 0.40 - 0.60      | %           | ASTM D955   |
| Mechanical  | Nominal Value    | Unit        | Test Method |
| Tensile Strength (Yield)                                | 57.9             | MPa         | ASTM D638   |
| Flexural Modulus  | 2340             | MPa         | ASTM D790   |
| Impact  | Nominal Value    | Unit        | Test Method |
| Notched Izod Impact                                     | 640              | J/m         | ASTM D256   |
| Dart Drop Impact  | > 36.2           | J           | ASTM D5420  |
| Thermal   | Nominal Value    | Unit        | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Unannealed) | 107              | °C          | ASTM D648   |
| RTI Elec  | 60.0             | °C          | UL 746      |
| RTI Imp   | 60.0             | °C          | UL 746      |
| RTI   | 60.0             | °C          | UL 746      |
| Flammability  | Nominal Value    | Test Method |             |
| Flame Rating  |                  |             | UL 94       |
| 1.50 mm   | V-0              | UL 94       |             |
| 3.00 mm   | 5VA              | UL 94       |             |
| Additional Information                                  |                  |             |             |

The value listed as Mold Shrinkage, ASTM D955, was tested in accordance with Matrixx test methods.

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