

# Novalloy-B B5526

Acrylonitrile Butadiene Styrene + PBT

PlastxWorld Inc.

## Message:

Novalloy-B B5526 is an Acrylonitrile Butadiene Styrene + PBT (ABS+PBT) product filled with 30% glass fiber. It is available in Europe.

Characteristics include:

Flame Rated

Flame Retardant

| General Information                                     |                                  |                   |             |
|---------------------------------------------------------|----------------------------------|-------------------|-------------|
| Filler / Reinforcement                                  | Glass Fiber,30% Filler by Weight |                   |             |
| Features                                                | Flame Retardant                  |                   |             |
| Forms                                                   | Pellets                          |                   |             |
| Physical                                                | Nominal Value                    | Unit              | Test Method |
| Specific Gravity                                        | 1.50                             | g/cm <sup>3</sup> | ASTM D792   |
| Molding Shrinkage - Flow                                | 0.20 to 0.40                     | %                 | ASTM D955   |
| Mechanical                                              | Nominal Value                    | Unit              | Test Method |
| Tensile Strength (Yield)                                | 118                              | MPa               | ASTM D638   |
| Tensile Elongation (Break)                              | 2.0                              | %                 | ASTM D638   |
| Flexural Modulus                                        | 9100                             | MPa               | ASTM D790   |
| Flexural Strength                                       | 147                              | MPa               | ASTM D790   |
| Impact                                                  | Nominal Value                    | Unit              | Test Method |
| Notched Izod Impact (23°C, 3.18 mm)                     | 80                               | J/m               | ASTM D256   |
| Thermal                                                 | Nominal Value                    | Unit              | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Unannealed) | 155                              | °C                | ASTM D648   |
| RTI Elec                                                | 140                              | °C                | UL 746      |
| RTI Imp                                                 | 95.0                             | °C                | UL 746      |
| RTI Str                                                 | 130                              | °C                | UL 746      |
| Flammability                                            | Nominal Value                    | Test Method       |             |
| Flame Rating (1.50 mm)                                  | V-0                              | UL 94             |             |

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### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

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



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