

# Witcom ABS AS-FR

Acrylonitrile Butadiene Styrene  
Witcom Engineering Plastics B.V.

Message:

Witcom ABS AS-FR is an Acrylonitrile Butadiene Styrene (ABS) product. It is available in Europe.  
Characteristics include:  
Flame Rated  
Flame Retardant  
Antistatic

| General Information                               |                   |                   |             |
|---------------------------------------------------|-------------------|-------------------|-------------|
| Additive                                          | Antistatic        |                   |             |
|                                                   | Flame Retardant   |                   |             |
| Features                                          | Antistatic        |                   |             |
|                                                   | Flame Retardant   |                   |             |
| Physical                                          | Nominal Value     | Unit              | Test Method |
| Density                                           | 1.21              | g/cm <sup>3</sup> | ISO 1183    |
| Molding Shrinkage - Flow (3.00 mm)                | 0.50 to 0.90      | %                 | ISO 2577    |
| Mechanical                                        | Nominal Value     | Unit              | Test Method |
| Tensile Stress (Yield)                            | < 35.0            | MPa               | ISO 527-2   |
| Tensile Strain (Break)                            | > 15              | %                 | ISO 527-2   |
| Flexural Modulus                                  | 1700              | MPa               | ISO 178     |
| Flexural Stress                                   | 50.0              | MPa               | ISO 178     |
| Impact                                            | Nominal Value     | Unit              | Test Method |
| Notched Izod Impact Strength                      | 7.9               | kJ/m <sup>2</sup> | ISO 180/1A  |
| Unnotched Izod Impact Strength                    | > 50              | kJ/m <sup>2</sup> | ISO 180/1U  |
| Thermal                                           | Nominal Value     | Unit              | Test Method |
| Heat Deflection Temperature (1.8 MPa, Unannealed) | 80.0              | °C                | ISO 75-2/A  |
| Electrical                                        | Nominal Value     | Unit              | Test Method |
| Surface Resistivity                               | 1.0E+9 to 1.0E+11 | ohms              | ASTM D257   |
| Volume Resistivity                                | 1.0E+9 to 1.0E+11 | ohms · cm         | ASTM D257   |
| Flammability                                      | Nominal Value     | Unit              | Test Method |
| Flame Rating (1.50 mm)                            | V-0               |                   | ISO 1210    |

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